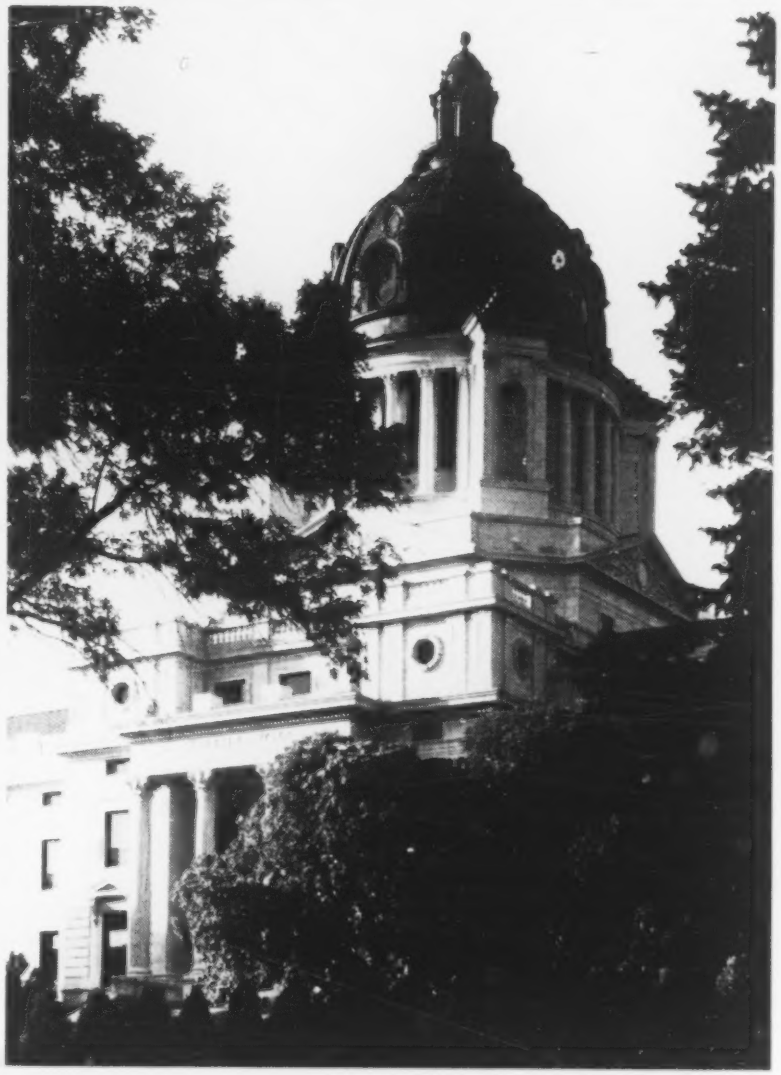

SOUTH DAKOTA

Vital Statistics And Health Status: 1986

SOUTH DAKOTA
DEPARTMENT OF HEALTH
CENTER FOR HEALTH POLICY
AND STATISTICS

STATE OF SOUTH DAKOTA

South Dakota Vital Statistics
Annual Report, 1986

Department of Health
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Secretary

Center for Health Policy and Statistics
Pierre, South Dakota 57501
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PREFACE

Vital Statistics and Health Status: 1986 was prepared by the Center for Health Policy and Statistics, South Dakota Department of Health.

The report is divided into seven main sections: Overview of 1986 Vital Statistics, Live Births, Infant and Fetal Deaths, Mortality, Induced Abortions, Marriages and Divorces, and Communicable Diseases. Each section contains a written analysis plus tables and figures. There is also a technical notes section which provides additional information regarding the sources of data, data delimitations, geographic allocation, and definitions. Samples of Data Collection Instruments are provided in the last section.

If you, as the reader, have any queries concerning the data, or requests for additional statistics please contact the following agency within the South Dakota Department of Health:

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Overview of 1986 Vital Statistics

TABLE 1

SELECTED HEALTH STATISTICS

Health Indicator	1986	1985	Percent Change
Births	11,623	12,129	- 4.2
Birth Rate	16.4	17.2	- 4.7
White Births	9,807	10,301	- 4.8
Indian Births	1,678	1,689	- .7
Other Births	138	139	- .7
Out of Wedlock Births	2,063	2,056	+ .3
Adolescent Births (12-19)	1,128	1,234	- 8.6
Infants Weighing <2500 grams	615	702	- 12.4
Deaths	6,583	6,604	- .3
Death Rate	9.3	9.4	- 1.1
White Deaths	6,156	6,217	- 1.0
Indian Deaths	412	379	+ 8.7
Other Deaths	15	8	+ 87.5
Infant Deaths	155	118	+ 31.4
Fetal Deaths	72	73	- 1.4
Marriages	7,386	7,793	- 5.2
Marriage Rate	10.4	11.0	- 5.5
Divorces	2,584	2,566	+ .7
Divorce Rate	3.6	3.6	0
Abortions	1,077	1,195	- 9.9
Abortion Rate	92.7	98.5	- 5.9

TABLE 2
VITAL STATISTICS, SOUTH DAKOTA
1906-1986

YEAR	BIRTHS		DEATHS		MARRIAGES		DIVORCES		FETAL DEATHS		INFANT DEATHS		
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	POPULATION
1986	11,623	16.4	6,583	9.3	7,386	10.4	2,584	3.6	72	6.2	155	13.3	707,000*
1985	12,129	17.2	6,604	9.4	7,793	11.0	2,566	3.6	73	6.0	118	9.7	708,118
1984	12,431	17.8	6,512	9.3	8,057	11.5	2,498	3.6	85	6.8	124	10.0	705,795
1983	12,521	18.0	6,622	9.5	8,013	11.5	2,556	3.7	82	6.5	135	10.8	698,704
1982	12,839	18.6	6,588	9.5	8,353	12.1	2,564	3.7	82	6.4	131	10.2	694,394
1981	12,725	18.4	6,434	9.3	8,662	12.5	2,772	4.0	72	5.6	143	11.2	691,625
1980	13,256	19.2	6,539	9.5	8,800	12.7	2,811	4.1	92	6.9	145	10.9	690,768
1979	12,973	18.8	6,329	9.2	8,978	13.0	2,665	3.9	89	6.8	146	11.3	688,838
1978	12,203	17.6	6,480	9.4	10,638	15.4	2,449	3.5	97	7.9	163	13.4	690,213
1977	12,069	17.6	6,281	9.1	10,359	15.1	2,436	3.5	107	8.8	195	16.2	687,590
1976	11,655	17.0	6,727	9.8	10,781	15.7	2,352	3.4	99	8.4	199	17.1	685,563
1975	11,294	16.6	6,470	9.5	11,074	16.3	2,232	3.3	121	10.6	178	15.8	680,811
1974	11,174	16.4	6,577	9.7	11,928	17.5	2,015	3.0	111	9.8	219	19.6	681,386
1973	10,706	15.7	6,626	9.7	12,291	18.0	1,802	2.6	103	9.5	196	18.3	681,899
1972	10,855	16.0	7,038	10.4	12,151	17.9	1,632	2.4	138	12.6	225	20.7	680,000
1971	11,634	17.3	6,704	9.9	11,363	16.9	1,408	2.1	139	11.8	216	19.6	674,000
1970	11,717	17.6	6,547	9.8	11,034	16.6	1,357	2.0	144	12.1	228	19.5	666,257
1969	11,441	17.1	6,747	10.1	10,909	16.3	1,255	1.9	121	10.5	226	19.8	668,000
1968	11,408	17.1	6,532	9.8	10,347	15.5	1,243	1.9	145	12.6	233	20.4	669,000
1967	11,424	17.0	6,349	9.5	9,051	13.5	1,090	1.6	161	13.9	252	22.1	671,000
1966	12,534	18.4	6,576	9.6	8,517	12.5	949	1.4	165	13.0	309	24.6	683,000
1965	13,692	19.8	6,520	9.4	8,317	12.0	1,015	1.5	191	13.8	315	23.1	692,000
1964	15,627	22.3	6,599	9.4	8,055	11.5	951	1.4	188	11.9	350	22.4	701,000
1963	16,711	23.6	6,654	9.4	7,470	10.6	953	1.3	222	13.3	414	24.8	708,000
1962	17,158	24.3	6,577	9.3	6,954	9.9	871	1.2	234	13.5	434	25.3	705,000
1961	17,551	25.3	6,234	9.0	6,213	9.0	881	1.3	235	13.4	409	23.3	693,000
1960	17,594	25.8	6,616	9.7	5,789	8.5	806	1.2	223	12.5	494	28.1	683,000
1959	17,956	26.5	6,287	9.3	5,861	8.6	763	1.1	264	14.5	413	23.0	678,000
1958	17,364	25.7	6,223	9.2	5,702	8.4	641	0.9	277	15.7	455	26.2	675,000
1957	17,617	26.2	6,250	9.3	5,727	8.5	624	0.9	275	15.4	456	25.9	672,000
1956	18,021	26.9	5,953	8.9	6,128	9.2	850	1.3	277	15.1	415	23.0	669,000

1955	18,566	27.9	5,873	8.8	6,122	9.2	868	1.3	270	14.3	484	26.1	666,600
1954	18,083	27.2	5,746	8.7	6,104	9.2	959	1.4	312	17.0	466	25.8	663,800
1953	17,951	27.2	5,813	8.8	6,065	9.2	932	1.4	276	15.1	448	25.0	661,100
1952	18,256	27.7	5,844	8.9	5,964	9.1	935	1.4	225	12.2	511	28.0	658,300
1951	18,270	27.9	5,922	9.0	6,222	9.5	868	1.3	257	13.9	458	25.1	655,500
1950	17,852	27.3	5,889	9.0	6,969	10.7	924	1.4	282	15.6	470	26.3	652,740
1940	12,773	19.9	5,712	8.9	4,138	6.4	793	1.2	-	-	506	39.6	642,961
1930	15,504	22.4	5,879	8.5	6,489	9.4	734	1.1	-	-	865	55.8	693,332
1920	18,148	28.4	5,542	8.7	6,881	10.8	687	1.1	-	-	-	-	640,003
1910	16,081	27.2	6,461	7.9	5,407	9.2	511	0.9	-	-	-	-	590,499
1906	13,233	25.9	3,644	7.1	4,141	8.1	508	1.0	-	-	-	-	510,596

*Rates are based on the provisional 1986 mid-year population estimate.

Birth, Death, Marriage and Divorce rates are per 1,000 population.

Fetal Death and Infant Death rates are per 1,000 Live Births.

TABLE 3
POPULATION ESTIMATES BY COUNTY*
APRIL 1, 1980 TO JULY 1, 1986

	CENSUS 4/1/80	REV. EST. 7/1/81	REV. EST. 7/1/82	REV. EST. 7/1/83	REV. EST. 7/1/84	REV. EST. 7/1/85	REV. EST. 7/1/86
SOUTH DAKOTA	690,768	691,625	694,394	698,704	705,795	708,118	707,000
Aurora	3,628	3,626	3,550	3,540	3,483	3,439	3,300
Beadle	19,195	19,173	19,002	18,678	18,367	18,273	18,300
Bennett	3,044	3,017	3,084	3,181	3,264	3,336	3,400
Bon Homme	8,059	7,786	7,706	7,725	7,870	6,759	6,800
Brookings	24,332	24,723	24,844	24,850	25,013	24,801	24,600
Brown	36,962	37,323	37,365	36,792	36,784	36,675	36,700
Brule	5,245	5,182	5,318	5,384	5,385	5,474	5,500
Buffalo	1,795	1,781	1,618	1,679	1,711	1,695	1,600
Butte	8,372	8,429	8,374	8,271	8,253	8,218	8,200
Campbell	2,243	2,155	2,236	2,241	2,273	2,309	2,200
Charles Mix	9,680	9,594	9,656	9,617	9,719	9,514	9,400
Clark	4,894	4,752	4,758	4,952	4,953	4,901	4,800
Clay	13,689	13,689	13,638	13,712	13,663	13,220	12,800
Codington	20,885	21,111	21,745	21,854	22,084	22,456	22,500
Corson	5,196	5,538	5,438	5,300	5,245	5,109	5,000
Custer	6,000	6,093	6,235	6,356	6,643	6,910	6,900
Davison	17,820	17,738	17,585	17,729	17,814	17,771	17,400
Day	8,133	8,044	8,016	7,985	7,956	7,852	7,900
Deuel	5,289	5,268	5,330	5,224	5,229	5,091	5,000
Dewey	5,366	5,394	5,228	5,412	5,467	5,525	5,500
Douglas	4,181	4,048	3,981	3,993	3,957	3,886	4,000
Edmunds	5,159	4,980	4,900	4,926	4,992	4,847	5,000
Fall River	8,439	8,096	7,903	7,978	7,954	7,800	7,800
Faulk	3,327	3,339	3,337	3,253	3,183	3,107	3,100
Grant	9,013	8,852	9,212	9,427	9,480	9,455	8,900
Gregory	6,015	5,986	5,852	5,919	5,930	5,870	5,700
Haakon	2,794	2,708	2,790	2,826	2,935	2,897	2,800
Hamlin	5,261	5,250	5,223	5,235	5,261	5,244	5,200
Hand	4,948	4,852	4,787	4,783	4,768	4,769	4,700
Hanson	3,415	3,460	3,434	3,343	3,322	3,321	3,300
Harding	1,700	1,629	1,656	1,733	1,855	1,830	1,800
Hughes	14,220	14,473	14,489	14,508	14,715	14,894	14,900

	4/1/80	7/1/81	7/1/82	7/1/83	7/1/84	7/1/85	7/1/86
Hutchinson	9,350	9,262	9,337	9,148	9,117	8,882	8,700
Hyde	2,069	1,983	1,915	1,995	1,947	1,949	1,900
Jackson	3,437	3,222	3,194	3,353	3,316	3,358	3,400
Jerauld	2,929	2,886	2,912	2,801	2,776	2,807	2,800
Jones	1,463	1,476	1,438	1,466	1,503	1,509	1,500
Kingsbury	6,679	6,654	6,715	6,553	6,537	6,481	6,300
Lake	10,724	10,669	10,864	10,807	10,955	10,670	10,800
Lawrence	18,339	18,497	18,699	18,924	19,178	19,249	19,400
Lincoln	13,942	13,655	13,799	14,000	14,307	14,322	14,400
Lyman	3,864	3,798	3,789	3,824	3,898	3,855	3,700
McCook	6,444	6,175	6,303	6,257	6,282	6,137	6,100
McPherson	4,027	3,925	3,977	3,877	3,829	3,735	3,600
Marshall	5,404	5,595	5,448	5,291	5,263	5,117	5,000
Meade	20,717	21,056	21,027	21,194	21,530	22,997	23,500
Mellette	2,249	2,200	2,201	2,275	2,355	2,326	2,300
Miner	3,739	3,717	3,598	3,616	3,543	3,531	3,500
Minnehaha	109,435	110,526	112,260	114,825	118,145	121,830	122,700
Moody	6,692	6,709	6,852	6,871	6,921	6,758	6,700
Pennington	70,361	71,131	73,329	73,692	74,716	75,899	76,100
Perkins	4,700	5,024	4,462	4,624	4,706	4,653	4,600
Potter	3,674	3,772	3,793	3,709	3,771	3,730	3,700
Roberts	10,911	10,862	11,008	10,929	11,053	10,877	11,000
Sanborn	3,213	3,206	3,246	3,102	3,124	3,027	3,000
Shannon	11,323	11,747	10,910	11,072	11,258	11,662	12,800
Spink	9,201	9,057	9,241	9,096	9,125	8,841	8,900
Stanley	2,533	2,488	2,320	2,427	2,471	2,524	2,700
Sully	1,990	1,958	1,914	1,856	1,896	1,851	1,900
Todd	7,328	7,135	6,871	7,237	7,299	7,344	6,800
Tripp	7,268	6,963	6,864	7,234	7,255	7,229	7,200
Turner	9,255	8,992	9,062	9,185	9,162	8,965	8,700
Union	10,938	11,083	10,853	10,796	10,816	10,526	10,500
Walworth	7,011	6,879	6,788	6,851	6,709	6,598	6,700
Yankton	18,952	19,019	18,964	10,057	19,098	19,081	18,800
Ziebach	2,308	2,215	2,151	2,381	2,465	2,551	2,500

* The 1986 provisional estimates were prepared by the Census Bureau, the 1984 and 1985 estimates were prepared by the State Data Center, and the 1981, 1982 and 1983 estimates were prepared by the South Dakota Health Department.

TABLE 4

VITAL STATISTICS BY COUNTY, 1986

(BIRTHS, DEATHS, ABORTIONS AND FETAL DEATHS ARE BY COUNTY OF RESIDENCE, MARRIAGES AND DIVORCES BY COUNTY OF OCCURRENCE)

COUNTY	BIRTHS		DEATHS		MARRIAGES		DIVORCES		FETAL DEATHS		ABORTIONS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
SOUTH DAKOTA	11,623	16.4	6,583	9.3	7,386	10.4	2,585	3.6	72	6.2	1,077	92.7
AURORA	38	11.4	36	10.8	24	7.2	2	0.6	-	-	1	26.3
BEADLE	275	15.0	200	10.9	184	10.1	65	3.6	1	3.6	22	80.0
BENNETT	75	22.2	24	7.1	39	11.6	6	1.8	-	-	3	40.0
BON HOMME	82	12.1	93	13.7	49	7.2	17	2.5	-	-	1	12.2
BROOKINGS	303	12.3	170	6.9	182	7.4	89	3.6	1	3.3	62	204.6
BROWN	545	14.9	301	8.2	331	9.0	135	3.7	-	-	27	49.5
BRULE	74	13.5	53	9.7	60	10.9	14	2.5	1	13.5	6	81.1
BUFFALO	56	34.3	7	4.3	2	1.2	2	1.2	1	17.9	3	53.6
BUTTE	135	16.4	91	11.1	96	11.7	38	4.6	2	14.8	14	103.7
CAMPBELL	26	11.7	18	8.1	21	9.5	3	1.4	-	-	-	-
CHARLES MIX	181	19.3	110	11.7	75	8.0	16	1.7	-	-	11	60.8
CLARK	70	14.5	65	13.5	36	7.5	11	2.3	-	-	4	57.1
CLAY	159	12.4	90	7.0	115	9.0	28	2.2	1	6.3	21	132.1
CODINGTON	374	16.7	216	9.6	388	17.3	82	3.7	1	2.7	21	56.1
CORSON	112	22.3	43	8.6	39	7.8	2	0.4	-	-	1	8.9
CUSTER	92	13.3	55	7.9	99	14.3	36	5.2	1	10.9	7	76.1
DAVISON	292	16.7	194	11.1	148	8.5	78	4.5	4	13.7	37	126.7
DAY	112	14.3	107	13.6	78	9.9	23	2.9	-	-	3	26.8
DEUEL	61	12.1	65	12.9	43	8.5	10	2.0	-	-	1	16.4
DEWEY	160	29.2	43	7.8	33	6.0	2	0.4	2	12.5	10	62.5
DOUGLAS	68	17.2	52	13.1	27	6.8	3	0.8	-	-	1	14.7
EDMUNDS	63	12.7	62	12.5	35	7.1	5	1.0	2	31.7	1	15.9
FALL RIVER	110	14.2	143	18.4	102	13.2	52	6.7	1	9.1	8	72.7
FAULK	41	13.3	36	11.7	20	6.5	5	1.6	-	-	-	-
GRANT	133	14.9	87	9.8	122	13.7	15	1.7	4	30.1	5	37.6
GREGORY	87	15.2	82	14.3	57	9.9	16	2.8	-	-	7	80.5
HAAKON	46	16.5	24	8.6	22	7.9	7	2.5	-	-	3	65.2
HAMLIN	85	16.2	67	12.8	25	4.8	5	1.0	2	23.5	4	47.1
HAND	56	12.0	54	11.6	36	7.7	7	1.5	-	-	5	89.3
HANSON	42	12.8	25	7.6	14	4.3	3	0.9	1	23.8	4	95.2
HARDING	29	16.3	9	5.1	10	5.6	-	-	1	34.5	3	103.4
HUGHES	240	16.1	120	8.1	163	10.9	60	4.0	-	-	31	129.2
HUTCHINSON	121	14.0	126	14.6	64	7.4	10	1.2	2	16.5	4	33.1
HYDE	24	12.5	14	7.3	14	7.3	5	2.6	-	-	1	41.7
JACKSON	75	22.3	26	7.7	21	6.2	3	0.9	-	-	8	106.7
JERAULD	26	9.3	31	11.1	19	6.8	7	2.5	-	-	2	76.9
JONES	29	19.6	16	10.8	11	7.4	5	3.4	-	-	3	103.4
KINGSBURY	92	14.5	98	15.4	41	6.5	14	2.2	-	-	3	32.6
LAKE	142	13.1	104	9.6	74	6.8	23	2.1	1	7.0	19	133.8
LAWRENCE	297	15.3	202	10.4	235	12.1	98	5.0	3	10.1	35	117.8
LINCOLN	243	16.9	131	9.1	93	6.5	39	2.7	1	4.1	17	70.0
LYMAN	80	21.5	20	5.4	21	5.6	12	3.2	1	12.5	4	50.0
MCCOOK	78	12.8	69	11.3	45	7.4	12	2.0	-	-	4	51.3
MCPHERSON	39	10.7	45	12.3	23	6.3	4	1.1	-	-	-	-
MARSHALL	79	15.7	66	13.1	43	8.5	12	2.4	-	-	-	-
MEADE	351	15.0	115	4.9	160	6.8	64	2.7	5	14.2	32	91.2
MELLETTE	47	20.5	23	10.0	33	14.4	9	3.9	1	21.3	3	63.8
MINER	38	11.0	50	14.4	14	4.0	5	1.4	-	-	1	26.3
MINNEHAHA	1,988	16.2	866	7.1	1,347	11.0	588	4.8	7	3.5	271	136.3
MOODY	104	15.5	78	11.6	49	7.3	18	2.7	-	-	4	38.5
PENNINGTON	1,606	20.9	562	7.3	1,166	15.2	547	7.1	10	6.2	213	132.6
PERKINS	55	11.9	45	9.7	38	8.2	18	3.9	-	-	5	90.9
POTTER	49	13.3	43	11.7	29	7.9	7	1.9	-	-	2	40.8
ROBERTS	193	17.6	142	12.9	201	18.3	29	2.6	3	15.5	1	5.2
SANBORN	45	14.8	31	10.2	7	2.3	4	1.3	-	-	2	44.4
SHANNON	402	31.5	101	7.9	3	0.2	-	-	4	10.0	12	29.9
SPINK	133	14.9	101	11.3	65	7.3	32	3.6	-	-	5	37.6
STANLEY	50	18.7	14	5.2	19	7.1	7	2.6	-	-	1	20.0
SULLY	22	11.4	11	5.7	7	3.6	2	1.0	-	-	1	45.5
TODD	246	36.0	79	11.5	16	2.3	9	1.3	2	8.1	18	73.2
TRIPP	105	14.6	83	11.5	59	8.2	25	3.5	4	38.1	7	66.7
TURNER	95	10.9	123	14.2	56	6.4	13	1.5	2	21.1	4	42.1
UNION	121	11.6	116	11.1	440	42.0	36	3.4	-	-	7	57.9
WALWORTH	98	14.6	101	15.0	57	8.5	18	2.7	-	-	6	61.2
YANKTON	262	13.9	193	10.3	227	12.1	71	3.8	-	-	24	91.6
ZIEBACH	66	26.2	16	6.3	14	5.6	2	0.8	-	-	2	30.3
UNKNOWN COUNTY	-	-	-	-	-	-	-	-	-	-	29	-

BIRTH, DEATH, MARRIAGE AND DIVORCE RATES ARE PER 1000 POPULATION. FETAL DEATH RATES AND ABORTION RATES ARE PER 1000 LIVE BIRTHS.

Live Births

LIVE BIRTHS
AN OVERVIEW: 1986

Total Resident Live Births	11,623
Birth Rate per 1,000 Population	16.4
U.S. Birth Rate per 1,000 Population (provisional)	15.5
Low Weight Births	615
Low Weight Births Ratio per 1,000 Births	52.9
Average Age of Mother	26.0
No Prenatal Care (Percent of Total Births)	1.4

There were 11,623 South Dakota resident births during 1986, resulting in a birth rate of 16.4 per 1,000 population (see Table 5). Resident births are down 4.2 percent from 1985 when they numbered 12,129 with a corresponding birth rate of 17.2 per 1,000 population. Of the babies born during 1986, 50.2 percent were male and 49.8 percent were female. By race, births were as follows: 9,807 white; 1,678 American Indian; and 138 other races.

Women in the 25-29 age cohort accounted for the greatest percentage of births, 35 percent (see Table 6). This age cohort was followed by women in the 20-24 age cohort, 31 percent of the births. Twenty-four-year olds accounted for the most births, a total of 915 (see Table 7). In addition, the average age for mothers was 26.0 years.

Births to Unwed Mothers

Eighteen percent of all births were to unmarried mothers (see Table 8). During 1986, 18 through 21-year-olds comprised the largest group of unwed women bearing children (35.5 percent). The average age of unwed mothers was 22.8 years compared to 26.7 years for wed mothers. Figures 1 and 2 illustrate that births to unwed mothers have risen since 1960. The percentage of such births rose from 1.6 percent of all white births in 1960 to 9.5 percent in 1985. This figure increased by 2 percentage points to the 1986 level of 11.5 percent. The number of births to unwed women also increased for American Indian mothers from 1960 to 1985, 22.8 percent to 62.6 percent, respectively. In 1986, this figure was 62.0 percent, a modest .6 percentage point decrease from 1985. Similar patterns are evident when viewing data pertaining to births to unwed mothers by age group (see Figure 2).

Prenatal Care

The majority of women, 8,365 or 74.0 percent, began prenatal care during the first trimester of their pregnancy (see Table 9). In addition, 2,290 or 20.3 percent initiated care in the second trimester, 492 in the third trimester, 153 with no prenatal care and in 62 cases, it was unknown. As Figure 3 illustrates, 78.1 percent of white mothers began prenatal care in the first trimester compared to 50.6 percent of American Indian mothers (those live births where prenatal care was not known are excluded in figuring percentages). Table 10 depicts information on single live births

by county and trimester prenatal care began, revealing that 89.2 percent of all pregnant women had six or more prenatal visits. Of all pregnant women, 44.7 percent had 11-15 prenatal visits, and 38.7 had 6-10 visits (see Table 11). During 1986, 1.4 percent of women giving birth indicated no prenatal care, a decrease from the 1985 figure of 1.9 percent.

Education appears to be a factor in commencing prenatal care. The more education a woman has, the more likely she is to begin prenatal care in the first trimester of pregnancy (see Figure 5). Table 12 provides detailed information on marital status, education, race and prenatal care. The Surgeon General's 1990 goal for the nation is 90 percent of pregnant women in any county, racial or ethnic group obtain prenatal care in the first trimester. Currently, South Dakota does not have a racial group achieving this criteria. However, Douglas County did meet this objective in 1986 with 91 percent of pregnant women meeting the criteria. Furthermore, Aurora, Brookings and Clay Counties were close in meeting the criteria with 89, 88 and 87 percent respectively.

Birth Weight

Table 13 depicts resident live births by county and birth weight in grams. Thirty-five percent of the resident births weighed between 3,000 and 3,499 grams. The second largest category was between 3,500 and 3,999 grams with 33.1 percent of the births. Low birth weight babies (those less than 2,500 grams) comprised 5.3 percent or 615 babies. This represents a decrease of 85 low birth weight babies from the 1985 figure or a 12.1 percent decline (see Table 14).

The nation's 1990 objective is for no more than 5 percent of babies having a low birth weight and no more than 9 percent low weight births in any county, racial or ethnic group. In 1986, the state did not meet this objective; however, the white low birth weight percentage met the objective at an even 5.0 percent. The corresponding rate for American Indians was 6.7 percent low birth weight babies. County figures revealed Haakon County with 10.9 percent low birth weight babies as the highest county percentage closely followed by McPherson with 10.3 percent.

Congenital Anomalies

The percentage of babies born with congenital anomalies has been consistent from 1984 to 1986. During 1986, 1.7 percent of all births were reported having congenital anomalies (see Table 15). Reported anomalies were higher among male children (57.9 percent of reported anomalies) than among female children (42.1 percent of reported anomalies).

Attendant at Birth and Place of Birth

The vast majority, 95.8 percent, of women giving birth in South Dakota during 1986 were attended by a physician. Another 3.9 percent were attended by a midwife at the time of birth. In comparison to 1985 data, attending physicians decreased 0.3 percentage points and midwives increased 0.4 percentage points.

There were 11,633 babies born in South Dakota during 1986, of which 11,048 were South Dakotans (see Tables 16 and 17). In addition, 575 South Dakotans were born outside state boundaries.

Pregnancies

Table 18 details South Dakota resident pregnancies for 1986. During 1986, there were a reported 12,511 pregnancies, a decrease of 618 or 4.7 percent from 1985 figures. Pregnancies are defined as single live births (a pregnancy that results in a live birth), fetal deaths and induced abortions.

TABLE 5

BIRTHS AND BIRTH RATES BY COUNTY OF RESIDENCE, RACE AND SEX, 1986*

	TOTAL		WHITE			INDIAN				OTHER		
	NUMBER	RATE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	UNKNOWN	TOTAL	MALE	FEMALE
SOUTH DAKOTA	11,623	16.4	9,807	4,916	4,891	1,678	850	827	1	138	72	66
AURORA	38	11.39	38	21	17	-	-	-	-	-	-	-
BEADLE	275	15.03	269	130	139	5	2	3	-	1	1	-
BENNETT	75	22.24	30	17	13	44	20	24	-	1	-	1
BON HOMME	82	12.11	79	47	32	3	2	1	-	-	-	-
BROOKINGS	303	12.31	294	143	151	4	1	3	-	5	2	3
BROWN	545	14.86	529	271	258	14	6	8	-	2	2	-
BRULE	74	13.47	67	31	36	6	2	4	-	1	1	-
BUFFALO	56	34.31	12	6	6	44	23	21	-	-	-	-
BUTTE	135	16.40	133	68	65	2	2	-	-	-	-	-
CAMPBELL	26	11.74	26	9	17	-	-	-	-	-	-	-
CHARLES MIX	181	19.27	120	51	69	61	34	27	-	-	-	-
CLARK	70	14.52	70	33	37	-	-	-	-	-	-	-
CLAY	159	12.42	150	61	89	8	5	3	-	1	-	1
CODINGTON	374	16.65	368	169	199	6	4	2	-	-	-	-
CORSON	112	22.28	32	16	16	80	39	41	-	-	-	-
CUSTER	92	13.26	90	51	39	2	1	1	-	-	-	-
DAVISON	292	16.73	281	135	146	10	4	6	-	1	-	1
DAY	112	14.25	84	39	45	27	11	16	-	1	1	-
DEUEL	61	12.09	61	31	30	-	-	-	-	-	-	-
DEWEY	160	29.19	43	25	18	117	59	58	-	-	-	-
DOUGLAS	68	17.16	68	36	32	-	-	-	-	-	-	-
EDMUNDS	63	12.70	63	32	31	-	-	-	-	-	-	-
FALL RIVER	110	14.19	100	53	47	10	5	5	-	-	-	-
FAULK	41	13.32	41	21	20	-	-	-	-	-	-	-
GRANT	133	14.92	130	59	71	3	2	1	-	-	-	-
GREGORY	87	15.15	76	35	41	11	6	4	1	-	-	-
HAAKON	46	16.47	43	22	21	2	-	2	-	1	1	-
HAMLIN	85	16.20	85	43	42	-	-	-	-	-	-	-
HAND	56	12.03	55	25	30	1	1	-	-	-	-	-
HANSON	42	12.79	42	20	22	-	-	-	-	-	-	-
HARDING	29	16.33	27	18	9	2	-	2	-	-	-	-
HUGHES	240	16.12	203	95	108	36	21	15	-	1	1	-
HUTCHINSON	121	13.98	121	62	59	-	-	-	-	-	-	-
HYDE	24	12.55	21	10	11	3	1	2	-	-	-	-
JACKSON	75	22.29	32	16	16	43	20	23	-	-	-	-
JERAULD	26	9.27	26	14	12	-	-	-	-	-	-	-
JONES	29	19.57	28	19	9	1	-	1	-	-	-	-
KINGSBURY	92	14.50	92	49	43	-	-	-	-	-	-	-
LAKE	142	13.12	141	70	71	1	1	-	-	-	-	-
LAWRENCE	297	15.28	286	159	127	10	4	6	-	1	-	1
LINCOLN	243	16.92	242	126	116	-	-	-	-	1	-	1
LYMAN	80	21.51	42	24	18	37	21	16	-	1	1	-
MCCOOK	78	12.77	78	39	39	-	-	-	-	-	-	-
MCPHERSON	39	10.69	39	22	17	-	-	-	-	-	-	-
MARSHALL	79	15.70	75	38	37	4	3	1	-	-	-	-
MEADE	351	14.96	335	177	158	6	4	2	-	10	6	4
MELLETTE	47	20.47	16	6	10	31	15	16	-	-	-	-
MINER	38	10.96	38	24	14	-	-	-	-	-	-	-
MINNEHAHA	1,988	16.21	1,919	966	953	43	18	25	-	26	14	12
MOODY	104	15.50	90	42	48	12	5	7	-	2	2	-
PENNINGTON	1,606	20.88	1,344	669	675	187	98	89	-	75	35	40
PERKINS	55	11.85	53	22	31	2	1	1	-	-	-	-
POTTER	49	13.34	47	28	19	2	-	2	-	-	-	-
ROBERTS	193	17.58	106	49	57	86	43	43	-	1	1	-
SANBORN	45	14.84	45	24	21	-	-	-	-	-	-	-
SHANNON	402	31.51	19	6	13	383	198	185	-	-	-	-
SPINK	133	14.89	131	59	72	1	-	1	-	-	-	-
STANLEY	50	18.73	47	26	21	3	1	2	-	1	1	-
SULLY	22	11.44	22	12	10	-	-	-	-	-	-	-
TODD	246	35.95	21	15	6	223	115	108	-	2	1	1
TRIPP	105	14.58	80	46	34	25	13	12	-	-	-	-
TURNER	95	10.93	95	54	41	-	-	-	-	-	-	-
UNION	121	11.56	118	52	66	1	1	-	-	2	1	1
WALWORTH	98	14.60	72	42	30	25	14	11	-	1	1	-
YANKTON	262	13.94	261	128	133	1	-	1	-	-	-	-
ZIEBACH	66	26.18	16	8	8	50	24	26	-	-	-	-

*CRUDE BIRTH RATE IS PER 1,000 POPULATION.

TABLE 6

BIRTHS BY MOTHER'S COUNTY OF RESIDENCE AND AGE, 1986

	AGE OF MOTHER																					
	TOTAL		01-14		15-19		20-24		25-29		30-34		35-39		40-44		45+		UNKNOWN	
	N		N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
SOUTH DAKOTA	11623		12	0	1116	10	3645	31	4060	35	2108	18	606	5	72	1	2	0	2	0
AURORA	38		-	-	-	-	12	32	17	45	6	16	2	5	1	3	-	-	-	-
BEADLE	275		-	-	36	13	72	26	100	36	53	19	13	5	1	0	-	-	-	-
BENNETT	75		-	-	10	13	22	29	19	25	19	25	5	7	-	-	-	-	-	-
BON HOMME	82		-	-	6	7	16	20	28	34	27	33	5	6	-	-	-	-	-	-
BROOKINGS	303		-	-	14	5	90	30	113	37	66	22	19	6	1	0	-	-	-	-
BROWN	545		-	-	38	7	158	29	207	38	115	21	25	5	2	0	-	-	-	-
BRULE	74		-	-	4	5	23	31	31	42	10	14	4	5	2	3	-	-	-	-
BUFFALO	56		1	2	15	27	14	25	18	32	5	9	2	4	1	2	-	-	-	-
BUTTE	135		-	-	14	10	55	41	41	30	20	15	5	4	-	-	-	-	-	-
CAMPBELL	26		-	-	1	4	9	35	11	42	4	15	1	4	-	-	-	-	-	-
CHARLES MIX	181		-	-	26	14	66	36	50	28	28	15	10	6	1	1	-	-	-	-
CLARK	70		-	-	6	9	28	40	16	23	18	26	2	3	-	-	-	-	-	-
CLAY	159		-	-	9	6	58	36	50	31	34	21	7	4	1	1	-	-	-	-
CODINGTON	374		-	-	24	6	130	35	140	37	64	17	13	3	3	1	-	-	-	-
CORSON	112		-	-	20	18	35	31	35	31	13	12	7	6	2	2	-	-	-	-
CUSTER	92		-	-	8	9	30	33	29	32	20	22	5	5	-	-	-	-	-	-
DAVISON	292		1	0	30	10	87	30	111	38	48	16	13	4	2	1	-	-	-	-
DAY	112		1	1	12	11	32	29	43	38	16	14	5	4	3	3	-	-	-	-
DEUEL	61		-	-	6	10	15	25	27	44	9	15	4	7	-	-	-	-	-	-
DEWEY	160		-	-	26	16	56	35	51	32	21	13	6	4	-	-	-	-	-	-
DOUGLAS	68		-	-	2	3	19	28	29	43	12	18	5	7	1	1	-	-	-	-
EDMUNDS	63		-	-	2	3	19	30	24	38	11	17	6	10	1	2	-	-	-	-
FALL RIVER	110		-	-	11	10	34	31	39	35	20	18	6	5	-	-	-	-	-	-
FAULK	41		-	-	-	-	11	27	18	44	11	27	1	2	-	-	-	-	-	-
GRANT	133		-	-	11	8	37	28	51	38	22	17	10	8	2	2	-	-	-	-
GREGORY	87		-	-	7	8	23	26	26	30	25	29	5	6	1	1	-	-	-	-
HAAKON	46		-	-	5	11	10	22	20	43	7	15	3	7	1	2	-	-	-	-
HAMLIN	85		-	-	3	4	15	18	41	48	20	24	6	7	-	-	-	-	-	-
HAND	56		-	-	1	2	24	43	23	41	6	11	2	4	-	-	-	-	-	-
HANSON	42		-	-	-	-	11	26	19	45	8	19	3	7	1	2	-	-	-	-
HARDING	29		-	-	6	21	7	24	9	31	6	21	1	3	-	-	-	-	-	-
HUGHES	240		2	1	31	13	63	26	76	32	53	22	13	5	2	1	-	-	-	-
HUTCHINSON	121		-	-	4	3	28	23	52	43	26	21	10	8	1	1	-	-	-	-
HYDE	24		-	-	2	8	9	38	5	21	6	25	2	8	-	-	-	-	-	-
JACKSON	75		-	-	11	15	24	32	18	24	13	17	6	8	3	4	-	-	-	-
JERAULD	26		-	-	3	12	13	50	5	19	5	19	-	-	-	-	-	-	-	-
JONES	29		-	-	4	14	9	31	11	38	3	10	2	7	-	-	-	-	-	-
KINGSBURY	92		-	-	8	9	26	28	39	42	13	14	5	5	1	1	-	-	-	-
LAKE	142		-	-	11	8	32	23	63	44	30	21	4	3	1	1	1	1	-	-
LAWRENCE	297		-	-	25	8	110	37	109	37	35	12	17	6	1	0	-	-	-	-
LINCOLN	243		-	-	22	9	64	26	95	39	47	19	14	6	1	0	-	-	-	-
LYMAN	80		-	-	7	9	24	30	23	29	14	17	9	11	3	4	-	-	-	-
MCCOOK	78		-	-	6	8	19	24	30	38	18	23	5	6	-	-	-	-	-	-
MCPHERSON	39		-	-	1	3	14	36	10	26	11	28	3	8	-	-	-	-	-	-
MARSHALL	79		-	-	5	6	22	28	30	38	16	20	4	5	2	3	-	-	-	-
MEADE	351		-	-	30	9	103	29	133	38	73	21	11	3	1	0	-	-	-	-
MELLETTE	47		-	-	4	9	19	40	15	32	8	17	1	2	-	-	-	-	-	-
MINER	38		-	-	2	5	15	39	15	39	5	13	1	3	-	-	-	-	-	-
MINNEHAHA	1988		-	-	141	7	581	29	762	38	387	19	109	5	8	0	-	-	-	-
MOODY	104		-	-	7	7	26	25	40	38	26	25	4	4	1	1	-	-	-	-
PENNINGTON	1606		1	0	169	11	619	39	516	32	227	14	64	4	8	0	1	0	1	0
PERKINS	55		-	-	5	9	16	29	19	35	12	22	3	5	-	-	-	-	-	-
POTTER	49		-	-	2	4	16	32	18	37	9	18	3	6	1	2	-	-	-	-
ROBERTS	193		3	2	30	16	61	32	51	26	36	19	12	6	-	-	-	-	-	-
SANBORN	45		-	-	7	16	14	31	11	24	11	24	2	4	-	-	-	-	-	-
SHANNON	402		1	0	84	21	130	32	92	23	65	16	25	6	4	1	-	-	1	0
SPINK	133		-	-	7	5	44	33	41	31	32	24	8	6	1	1	-	-	-	-
STANLEY	50		-	-	5	10	15	30	18	36	9	18	3	6	-	-	-	-	-	-
SULLY	22		-	-	5	23	8	36	6	27	3	14	-	-	-	-	-	-	-	-
TODD	246		2	1	58	24	73	30	62	25	32	13	18	7	1	0	-	-	-	-
TRIPP	105		-	-	8	8	38	36	35	33	18	17	6	6	-	-	-	-	-	-
TURNER	95		-	-	10	11	28	29	33	35	16	17	7	7	1	1	-	-	-	-
UNION	121		-	-	15	12	30	25	42	35	26	21	7	6	1	1	-	-	-	-
WALWORTH	98		-	-	9	9	37	38	27	28	19	19	6	6	-	-	-	-	-	-
YANKTON	262		-	-	17	6	74	28	101	39	54	21	13	5	3	1	-	-	-	-
ZIEBACH	66		-	-	8	12	23	35	21	32	6	9	8	12	-	-	-	-	-	-

TABLE 7

RESIDENT BIRTHS BY AGE, RACE AND MARITAL STATUS OF MOTHER, 1986

	TOTAL BIRTHS	MOTHER'S RACE AND MARITAL STATUS					
		WHITE		INDIAN		OTHER	
		MARRIED	UNMARRIED	MARRIED	UNMARRIED	MARRIED	UNMARRIED
ALL AGES	11623	8798	1009	638	1040	124	14
MOTHER'S AGE							
13	1	-	-	-	1	-	-
14	11	-	2	-	8	-	1
15	47	-	19	1	27	-	-
16	109	11	45	11	41	-	1
17	208	50	85	9	62	1	1
18	313	120	104	16	71	2	-
19	439	218	92	28	89	5	7
20	557	333	91	40	87	6	-
21	681	431	88	44	98	18	2
22	756	557	78	50	60	11	-
23	736	576	61	37	56	6	-
24	915	721	68	52	63	11	-
25	904	744	48	45	61	6	-
26	875	735	36	48	44	12	-
27	847	722	41	31	49	4	-
28	776	668	29	35	39	5	-
29	658	565	24	33	24	10	2
30	592	516	28	27	20	1	-
31	510	443	14	20	26	7	-
32	403	327	17	21	34	4	-
33	346	287	9	26	21	3	-
34	257	228	6	8	10	5	-
35	229	190	3	15	19	2	-
36	138	117	4	11	6	-	-
37	99	88	1	4	5	1	-
38	83	57	7	8	8	3	-
39	57	44	3	5	4	1	-
40	30	20	1	4	5	-	-
41	17	14	-	3	-	-	-
42	11	3	3	4	1	-	-
43	9	6	1	2	-	-	-
44	5	5	-	-	-	-	-
45	2	2	-	-	-	-	-
UNKNOWN AGE	2	-	1	-	1	-	-

TABLE 8

OUT OF WEDLOCK BIRTHS BY MOTHER'S RESIDENT COUNTY AND RACE, 1986

COUNTY	BIRTHS	UNWED MOTHERS							
		TOTAL		WHITE		INDIAN		OTHER	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SOUTH DAKOTA	11,623	2,063	17.8	1,009	8.7	1,040	9.0	14	
AURORA	38	-	-	-	-	-	-	-	-
BEADLE	275	41	14.9	39	14.5	2	40.0	-	-
BENNETT	75	28	37.3	1	3.3	27	61.4	-	-
BON HOMME	82	5	6.1	4	5.1	1	33.3	-	-
BROOKINGS	303	25	8.3	23	7.8	2	50.0	-	-
BROWN	545	78	14.3	70	13.2	8	57.1	-	-
BRULE	74	10	13.5	5	7.5	5	83.3	-	-
BUFFALO	56	26	46.4	-	-	26	59.1	-	-
BUTTE	135	22	16.3	21	15.8	1	50.0	-	-
CAMPBELL	26	-	-	-	-	-	-	-	-
CHARLES MIX	181	41	22.7	3	2.5	38	62.3	-	-
CLARK	70	4	5.7	4	5.7	-	-	-	-
CLAY	159	12	7.5	9	6.0	3	37.5	-	-
CODINGTON	374	45	12.0	42	11.4	3	50.0	-	-
CORSON	112	44	39.3	3	9.4	41	51.2	-	-
CUSTER	92	16	17.4	15	16.7	1	50.0	-	-
DAVISON	292	38	13.0	32	11.4	6	60.0	-	-
DAY	112	16	14.3	5	6.0	11	40.7	-	-
DEUEL	61	3	4.9	3	4.9	-	-	-	-
DEWEY	160	74	46.2	4	9.3	70	59.8	-	-
DOUGLAS	68	2	2.9	2	2.9	-	-	-	-
EDMUNDS	63	1	1.6	1	1.6	-	-	-	-
FALL RIVER	110	20	18.2	14	14.0	6	60.0	-	-
FAULK	41	-	-	-	-	-	-	-	-
GRANT	133	17	12.8	17	13.1	-	-	-	-
GREGORY	87	9	10.3	6	7.9	3	27.3	-	-
HAAKON	46	2	4.3	2	4.7	-	-	-	-
HAMLIN	85	3	3.5	3	3.5	-	-	-	-
HAND	56	5	8.9	5	9.1	-	-	-	-
HANSON	42	3	7.1	3	7.1	-	-	-	-
HARDING	29	1	3.4	1	3.7	-	-	-	-
HUGHES	240	42	17.5	19	9.4	22	61.1	1	100.0
HUTCHINSON	121	5	4.1	5	4.1	-	-	-	-
HYDE	24	4	16.7	2	9.5	2	66.7	-	-
JACKSON	75	32	42.7	4	12.5	28	65.1	-	-
JERAULD	26	2	7.7	2	7.7	-	-	-	-
JONES	29	3	10.3	3	10.7	-	-	-	-
KINGSBURY	92	7	7.6	7	7.6	-	-	-	-
LAKE	142	11	7.7	11	7.8	-	-	-	-
LAWRENCE	297	46	15.5	40	14.0	6	60.0	-	-
LINCOLN	243	23	9.5	23	9.5	-	-	-	-
LYMAN	80	26	32.5	2	4.8	24	64.9	-	-
MCCOOK	78	5	6.4	5	6.4	-	-	-	-
MCPHERSON	39	5	12.8	5	12.8	-	-	-	-
MARSHALL	79	4	5.1	1	1.3	3	75.0	-	-
MEADE	351	28	8.0	25	7.5	2	33.3	1	10.0
MELLETTE	47	18	38.3	1	6.3	17	54.8	-	-
MINER	38	3	7.9	3	7.9	-	-	-	-
MINNEHAHA	1,988	264	13.3	222	11.6	35	81.4	7	26.9
MOODY	104	13	12.5	5	5.6	8	66.7	-	-
PENNINGTON	1,606	275	17.1	157	11.7	113	60.4	5	6.7
PERKINS	55	6	10.9	5	9.4	1	50.0	-	-
POTTER	49	4	8.2	4	8.5	-	-	-	-
ROBERTS	193	72	37.3	10	9.4	62	72.1	-	-
SANBORN	45	4	8.9	4	8.9	-	-	-	-
SHANNON	402	253	62.9	2	10.5	251	65.5	-	-
SPINK	133	16	12.0	15	11.5	1	100.0	-	-
STANLEY	50	9	18.0	7	14.9	2	66.7	-	-
SULLY	22	5	22.7	5	22.7	-	-	-	-
TODD	246	148	60.2	3	14.3	145	65.0	-	-
TRIPP	105	20	19.0	4	5.0	16	64.0	-	-
TURNER	95	10	10.5	10	10.5	-	-	-	-
UNION	121	21	17.4	20	16.9	1	100.0	-	-
WALWORTH	98	29	29.6	12	16.7	17	68.0	-	-
YANKTON	262	30	11.5	29	11.1	1	100.0	-	-
ZIEBACH	66	29	43.9	-	-	29	58.0	-	-

FIGURE 1

PERCENT OF BIRTHS OUT OF WEDLOCK
BY RACE, 1970-1986

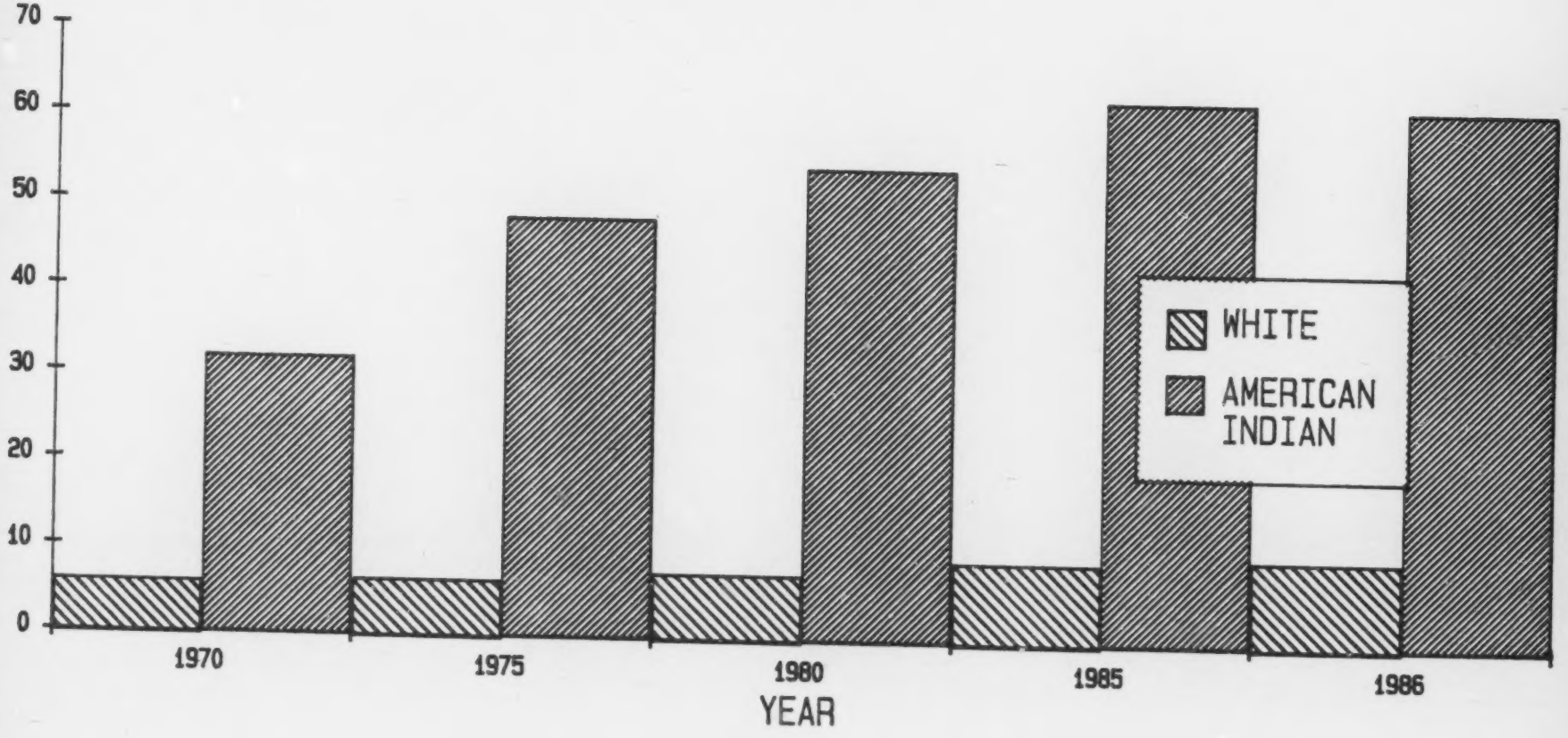


FIGURE 2

PERCENT OF BIRTHS OUT OF WEDLOCK
BY AGE OF MOTHER, 1970-1986

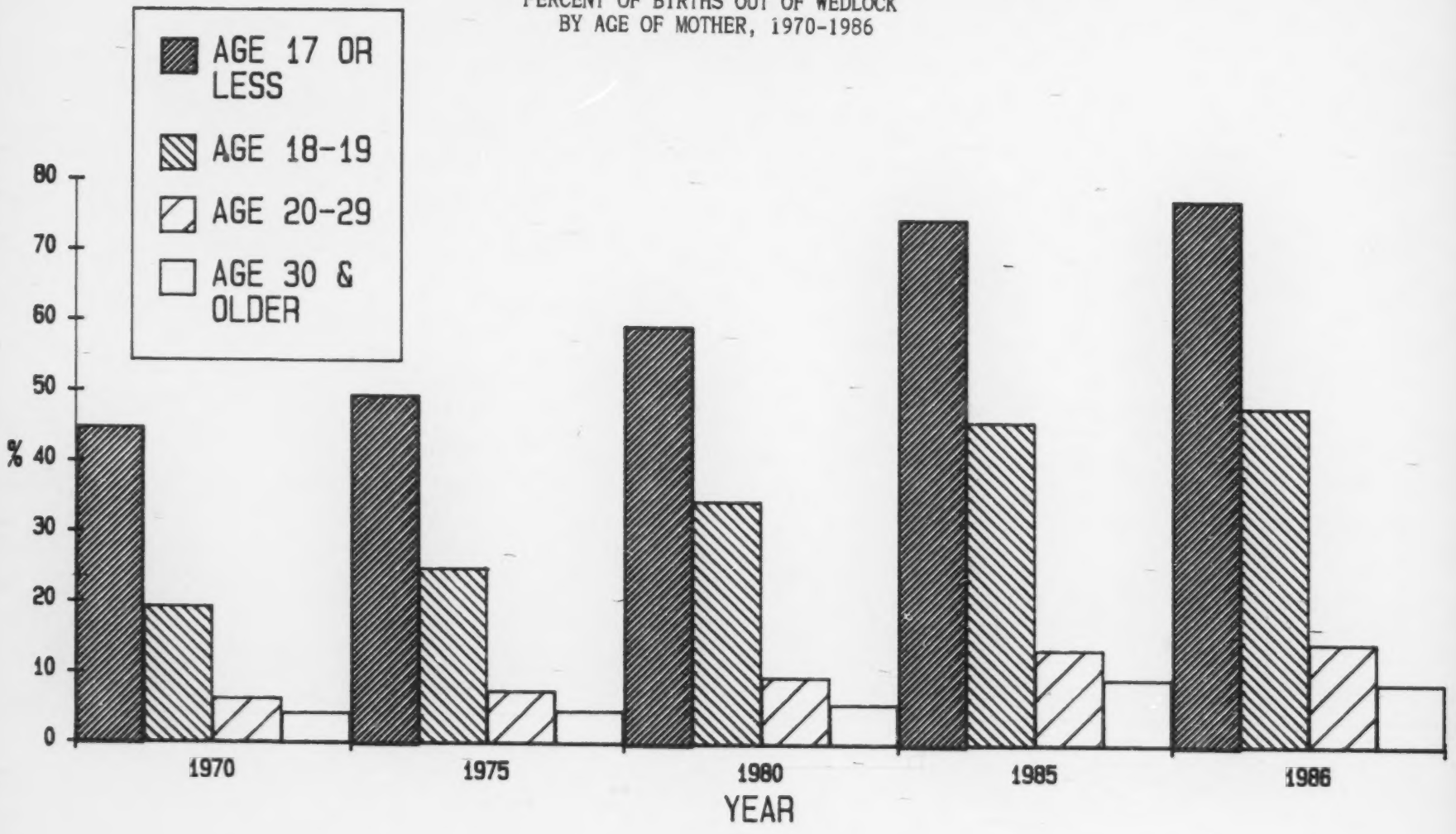


TABLE 9

SINGLE LIVE BIRTHS BY AGE AND RACE OF MOTHER AND MONTH PRENATAL CARE BEGAN, 1986

			MONTH PRENATAL CARE BEGAN										
		TOTAL*	NONE	1	2	3	4	5	6	7	8	9	NOT STATED
TOTAL		11362	153	896	4509	2960	1279	648	363	245	170	77	62
WHITE		9587	55	765	4089	2603	1044	475	251	139	101	25	40
INDIAN		1643	98	118	392	311	213	161	105	103	69	51	22
OTHER		132	-	13	28	46	22	12	7	3	-	1	-
TOTAL	01-14	10	1	-	1	-	2	2	3	-	-	1	-
	15-19	1102	20	55	242	273	177	132	81	61	30	17	14
	20-24	3566	55	275	1284	931	473	227	130	73	67	30	21
	25-29	3971	31	349	1795	1030	370	172	84	56	46	16	22
	30-34	2043	33	161	915	562	184	81	40	39	17	9	2
	35-39	594	10	53	244	144	64	29	21	14	9	3	3
	40-44	72	2	3	28	19	9	4	4	2	1	-	-
	45+	2	-	-	-	1	-	1	-	-	-	-	-
	UNK	2	1	-	-	-	-	-	-	-	-	1	-
WHITE	01-14	2	-	-	-	-	-	2	-	-	-	-	-
	15-19	734	5	38	180	205	119	78	53	34	10	3	9
	20-24	2937	20	222	1127	799	393	174	91	38	46	13	14
	25-29	3535	14	315	1681	935	317	126	64	37	30	2	14
	30-34	1821	13	145	856	520	158	68	24	21	10	4	2
	35-39	502	3	45	222	127	51	23	16	8	4	2	1
	40-44	53	-	-	23	16	6	3	3	1	1	-	-
	45+	2	-	-	-	1	-	1	-	-	-	-	-
	UNK	1	-	-	-	-	-	-	-	-	-	1	-
INDIAN	01-14	7	1	-	1	-	1	-	3	-	-	1	-
	15-19	351	15	15	60	65	53	52	26	27	20	13	5
	20-24	575	35	48	147	109	73	49	36	33	21	17	7
	25-29	399	17	31	105	82	45	44	19	18	16	14	8
	30-34	206	20	14	54	37	25	11	15	18	7	5	-
	35-39	85	7	7	20	15	13	4	5	6	5	1	2
	40-44	19	2	3	5	3	3	1	1	1	-	-	-
	UNK	1	1	-	-	-	-	-	-	-	-	-	-
OTHER	01-14	1	-	-	-	-	1	-	-	-	-	-	-
	15-19	17	-	2	2	3	5	2	2	-	-	1	-
	20-24	54	-	5	10	23	7	4	3	2	-	-	-
	25-29	37	-	3	9	13	8	2	1	1	-	-	-
	30-34	16	-	2	5	5	1	2	1	-	-	-	-
	35-39	7	-	1	2	2	-	2	-	-	-	-	-

*FOR TABULATION OF PRENATAL CARE, THOSE PREGNANCIES THAT RESULTED IN A LIVE BIRTH ARE COUNTED. MULTIPLE BIRTHS HAVE BEEN CONSIDERED AS ONE PREGNANCY.

FIGURE 3

TRIMESTER PRENATAL CARE BEGAN, BY RACE, 1986

TABLE 10

TRIMESTER PRENATAL CARE BEGAN BY MOTHER'S COUNTY OF RESIDENCE, 1986

	TOTAL*	PRENATAL CARE									
		FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO PRENATAL CARE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SOUTH DAKOTA	11362	8365	74	2290	20	492	4	153	1	62	1
AURORA	38	34	89	4	11	-	-	-	-	-	-
BEADLE	265	180	68	73	28	10	4	2	1	-	-
BENNETT	73	32	44	23	32	10	14	8	11	-	-
BON HOMME	82	70	85	11	13	1	1	-	-	-	-
BROOKINGS	299	262	88	32	11	3	1	2	1	-	-
BROWN	540	398	74	117	22	25	5	-	-	-	-
BRULE	70	57	81	11	16	1	1	1	1	-	-
BUFFALO	56	32	57	19	34	2	4	2	4	1	2
BUTTE	129	99	77	20	16	5	4	2	2	2	2
CAMPBELL	26	21	81	4	15	-	-	-	-	1	4
CHARLES MIX	177	129	73	35	20	9	5	3	2	1	1
CLARK	66	44	67	20	30	2	3	-	-	-	-
CLAY	157	136	87	15	10	2	1	2	1	2	1
CODINGTON	364	250	69	99	27	10	3	5	1	-	-
CORSON	112	71	63	29	26	11	10	-	-	1	1
CUSTER	88	59	67	24	27	2	2	3	3	-	-
DAVISON	288	235	82	42	15	10	3	1	0	-	-
DAY	112	68	61	32	29	9	8	3	3	-	-
DEUEL	61	44	72	12	20	4	7	-	-	1	2
DEWEY	155	85	55	44	28	16	12	6	4	2	1
DOUGLAS	66	60	91	5	8	1	2	-	-	-	-
EDMUNDS	63	44	70	15	24	4	6	-	-	-	-
FALL RIVER	106	71	67	22	21	8	8	2	2	3	3
FAULK	41	29	71	8	20	4	10	-	-	-	-
GRANT	133	104	78	26	20	2	2	1	1	-	-
GREGORY	83	64	77	16	19	3	4	-	-	-	-
HAAKON	44	29	66	9	20	2	5	1	2	3	7
HAMLIN	81	45	56	30	37	6	7	-	-	-	-
HAND	54	32	59	17	31	5	9	-	-	-	-
HANSON	42	32	76	5	12	5	12	-	-	-	-
HARDING	29	22	76	6	21	1	3	-	-	-	-
HUGHES	232	174	75	42	18	13	6	3	1	-	-
HUTCHINSON	121	93	77	19	16	8	7	1	1	-	-
HYDE	24	15	63	8	33	-	-	-	-	-	-
JACKSON	75	34	45	30	40	6	8	4	5	1	1
JERAULD	24	16	67	6	25	2	8	-	-	1	4
JONES	29	20	69	7	24	1	3	1	3	-	-
KINGSBURY	92	63	68	23	25	5	5	-	-	1	1
LAKE	142	119	84	21	15	2	1	-	-	-	-
LAWRENCE	291	245	84	35	12	8	3	3	1	-	-
LINCOLN	228	192	84	34	15	1	0	1	0	-	-
LYMAN	78	55	71	16	21	5	6	2	3	-	-
MCCOOK	78	65	83	12	15	1	1	-	-	-	-
MCPHERSON	36	25	69	9	25	2	6	-	-	-	-
MARSHALL	75	45	60	24	32	4	5	1	1	1	1
MEADE	347	264	76	64	18	13	4	2	1	4	1
MELLETTE	41	25	61	12	29	4	10	-	-	-	-
MINER	34	26	76	7	21	1	3	-	-	-	-
MINNEHAHA	1942	1626	84	266	14	35	2	12	1	3	0
MOODY	100	82	82	17	17	1	1	-	-	-	-
PENNINGTON	1573	1090	69	387	25	67	4	17	1	12	1
PERKINS	55	37	67	17	31	-	-	1	2	-	-
POTTER	49	40	82	8	16	-	-	1	2	-	-
ROBERTS	184	119	65	42	23	18	10	3	2	2	1
SANBORN	43	31	72	10	23	2	5	-	-	-	-
SHANNON	393	186	47	100	25	58	15	40	10	9	2
SPINK	129	85	66	37	29	6	5	1	1	-	-
STANLEY	50	34	68	9	18	4	8	2	4	1	2
SULLY	22	17	77	4	18	1	5	-	-	-	-
TODD	242	146	60	63	26	24	10	8	3	1	0
TRIPP	105	79	75	17	16	5	5	1	1	3	3
TURNER	94	71	76	22	23	1	1	-	-	-	-
UNION	117	91	78	16	14	5	4	1	1	4	3
WALWORTH	95	65	68	26	27	4	4	-	-	-	-
YANKTON	256	212	83	36	14	5	2	1	0	2	1
ZIEBACH	66	40	61	19	29	5	8	2	3	-	-

* FOR TABULATION OF PRENATAL CARE, THOSE PREGNANCIES THAT RESULTED IN A LIVE BIRTH ARE COUNTED. MULTIPLE BIRTHS HAVE BEEN CONSIDERED AS ONE PREGNANCY.

TABLE 11

PRENATAL CARE VISITS BY MOTHER'S COUNTY OF RESIDENCE, 1986

	TOTAL BIRTHS*	PRENATAL VISITS											
		NO VISITS		1-5 VISITS		6-10 VISITS		11-15 VISITS		16 OR MORE VISITS		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SOUTH DAKOTA	11362	162	1	1058	9	4375	39	5053	44	661	6	53	0
AURORA	38	-	-	1	3	11	29	22	58	4	11	-	-
BEADLE	265	2	1	11	4	128	48	99	37	24	9	1	0
BENNETT	73	8	11	24	33	14	19	21	29	6	8	-	-
BON HOMME	82	-	-	2	2	29	35	50	61	1	1	-	-
BROOKINGS	299	2	1	15	5	155	52	116	39	11	4	-	-
BROWN	540	-	-	42	8	192	36	281	52	25	5	-	-
BRULE	70	1	1	6	9	32	46	30	43	1	1	-	-
BUFFALO	56	2	4	16	29	24	43	10	18	3	5	1	2
BUTTE	129	3	2	13	10	68	53	41	32	3	2	1	1
CAMPBELL	26	-	-	3	12	10	38	11	42	1	4	1	4
CHARLES MIX	177	3	2	24	14	78	44	60	34	11	6	1	1
CLARK	66	1	2	7	11	40	61	17	26	1	2	-	-
CLAY	157	2	1	3	2	57	36	85	54	8	5	2	1
CODINGTON	364	5	1	36	10	184	51	131	36	8	2	-	-
CORSON	112	-	-	32	29	58	52	22	20	-	-	-	-
CUSTER	88	3	3	10	11	38	43	36	41	1	1	-	-
DAVISON	288	1	0	26	9	109	38	133	46	19	7	-	-
DAY	112	3	3	12	11	53	47	43	38	1	1	-	-
DEUEL	61	-	-	6	10	32	52	19	31	3	5	1	2
DEWEY	155	6	4	44	28	69	45	28	18	6	4	2	1
DOUGLAS	66	-	-	3	5	36	55	22	33	5	8	-	-
EDMUNDS	63	-	-	10	16	33	52	20	32	-	-	-	-
FALL RIVER	106	2	2	10	9	48	45	42	40	2	2	2	2
FAULK	41	-	-	7	17	16	39	17	41	1	2	-	-
GRANT	133	-	-	11	8	56	42	61	46	5	4	-	-
GREGORY	83	-	-	3	4	40	48	40	48	-	-	-	-
HAAKON	44	2	5	2	5	16	36	18	41	4	9	2	5
HAMLIN	81	-	-	15	19	46	57	19	23	1	1	-	-
HAND	54	-	-	11	20	28	52	14	26	1	2	-	-
HANSON	42	-	-	6	14	15	36	17	40	4	10	-	-
HARDING	29	-	-	2	7	23	79	4	14	-	-	-	-
HUGHES	232	3	1	13	6	66	28	136	59	14	6	-	-
HUTCHINSON	121	1	1	21	17	49	40	43	36	7	6	-	-
HYDE	24	-	-	1	4	8	33	14	58	-	-	1	4
JACKSON	75	5	7	30	40	21	28	17	23	2	3	-	-
JERAULD	24	-	-	2	8	8	33	11	46	3	13	-	-
JONES	29	1	3	2	7	16	55	9	31	1	3	-	-
KINGSBURY	92	-	-	11	12	43	47	33	36	4	4	1	1
LAKE	142	-	-	7	5	49	35	77	54	9	6	-	-
LAWRENCE	291	5	2	20	7	105	36	134	46	26	9	1	0
LINCOLN	228	1	0	2	1	84	37	120	53	21	9	-	-
LYMAN	78	2	3	16	21	30	38	26	33	4	5	-	-
MCCOOK	78	-	-	-	-	32	41	42	54	4	5	-	-
MCPHERSON	36	-	-	3	8	13	36	15	42	5	14	-	-
MARSHALL	75	1	1	7	9	42	56	24	32	-	-	1	1
MEADE	347	3	1	25	7	135	39	163	47	20	6	1	0
MELLETTE	41	-	-	4	10	24	59	12	29	1	2	-	-
MINER	34	-	-	4	12	16	47	14	41	-	-	-	-
MINNEHAHA	1942	12	1	47	2	537	28	1146	59	198	10	2	0
MOODY	100	-	-	6	6	38	38	52	52	4	4	-	-
PENNINGTON	1573	20	1	99	6	591	38	774	49	79	5	10	1
PERKINS	55	1	2	9	16	39	71	6	11	-	-	-	-
POTTER	49	1	2	-	-	22	45	24	49	2	4	-	-
ROBERTS	184	3	2	34	18	97	53	42	23	6	3	2	1
SANBORN	43	-	-	3	7	19	44	17	40	4	9	-	-
SHANNON	393	41	10	145	37	115	29	71	18	13	3	8	2
SPINK	129	1	1	12	9	60	47	51	40	5	4	-	-
STANLEY	50	2	4	4	8	10	20	26	52	7	14	1	2
SULLY	22	-	-	1	5	8	36	12	55	1	5	-	-
TODD	242	8	3	45	19	103	43	73	30	12	5	1	0
TRIPP	105	1	1	8	8	50	48	35	33	8	8	3	3
TURNER	94	-	-	8	9	29	31	54	57	3	3	-	-
UNION	117	1	1	3	3	31	26	62	53	16	14	4	3
WALWORTH	95	-	-	16	17	38	40	38	40	3	3	-	-
YANKTON	256	1	0	10	4	82	32	144	56	16	6	3	1
ZIEBACH	66	2	3	27	41	27	41	7	11	3	5	-	-

* FOR TABULATION OF PRENATAL CARE, THOSE PREGNANCIES THAT RESULTED IN A LIVE BIRTH ARE COUNTED. MULTIPLE BIRTHS HAVE BEEN CONSIDERED AS ONE PREGNANCY.

TABLE 12

TRIMESTER PRENATAL CARE BEGAN BY MOTHER'S RACE, MARITAL STATUS, AND EDUCATION, 1986

		TOTAL*	PRENATAL CARE							
			FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO PRENATAL CARE		NOT STATED	
		NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL		11362	8365	73.6	2290	20.2	492	4.3	153	1.3	62	0.5
WHITE	MARITAL STATUS											
	MARRIED	8600	6941	81	1416	16	179	2	36	0	28	0
	UNMARRIED	987	516	52	354	36	86	9	19	2	12	1
	MOTHER'S EDUCATION											
	8 YEARS OR LESS	219	92	42	78	36	47	21	1	0	1	0
	9-12 YEARS	4723	3459	73	1070	23	146	3	30	1	18	0
	13-16 YEARS	4181	3486	83	591	14	68	2	24	1	12	0
	OVER 16 YEARS	446	413	93	29	7	2	0	-	-	2	0
	UNKNOWN	18	7	39	2	11	2	11	-	-	7	39
INDIAN	MOTHER'S MARITAL STATUS											
	MARRIED	623	379	61	166	27	53	9	18	3	7	1
	UNMARRIED	1020	442	43	313	31	170	17	80	8	15	1
	MOTHER'S EDUCATION											
	8 YEARS OR LESS	113	45	40	40	35	18	16	10	9	-	-
	9-12 YEARS	1228	580	47	374	30	179	15	79	6	16	1
	13-16 YEARS	288	186	65	62	22	25	9	9	3	6	2
	OVER 16 YEARS	9	8	89	1	11	-	-	-	-	-	-
	UNKNOWN	5	2	40	2	40	1	20	-	-	-	-
OTHER	MOTHER'S MARITAL STATUS											
	MARRIED	118	81	69	34	29	3	3	-	-	-	-
	UNMARRIED	14	6	43	7	50	1	7	-	-	-	-
	MOTHER'S EDUCATION											
	8 YEARS OR LESS	10	5	50	4	40	1	10	-	-	-	-
	9-12 YEARS	66	39	59	25	38	2	3	-	-	-	-
	13-16 YEARS	48	38	79	9	19	1	2	-	-	-	-
	OVER 16 YEARS	7	4	57	3	43	-	-	-	-	-	-
	UNKNOWN	1	1	100	-	-	-	-	-	-	-	-

* FOR TABULATION OF PRENATAL CARE, THOSE PREGNANCIES THAT RESULTED IN A LIVE BIRTH ARE COUNTED. MULTIPLE BIRTHS HAVE BEEN CONSIDERED AS ONE PREGNANCY.

FIGURE 4

TRIMESTER PRENATAL CARE BEGAN BY MARITAL STATUS, 1986

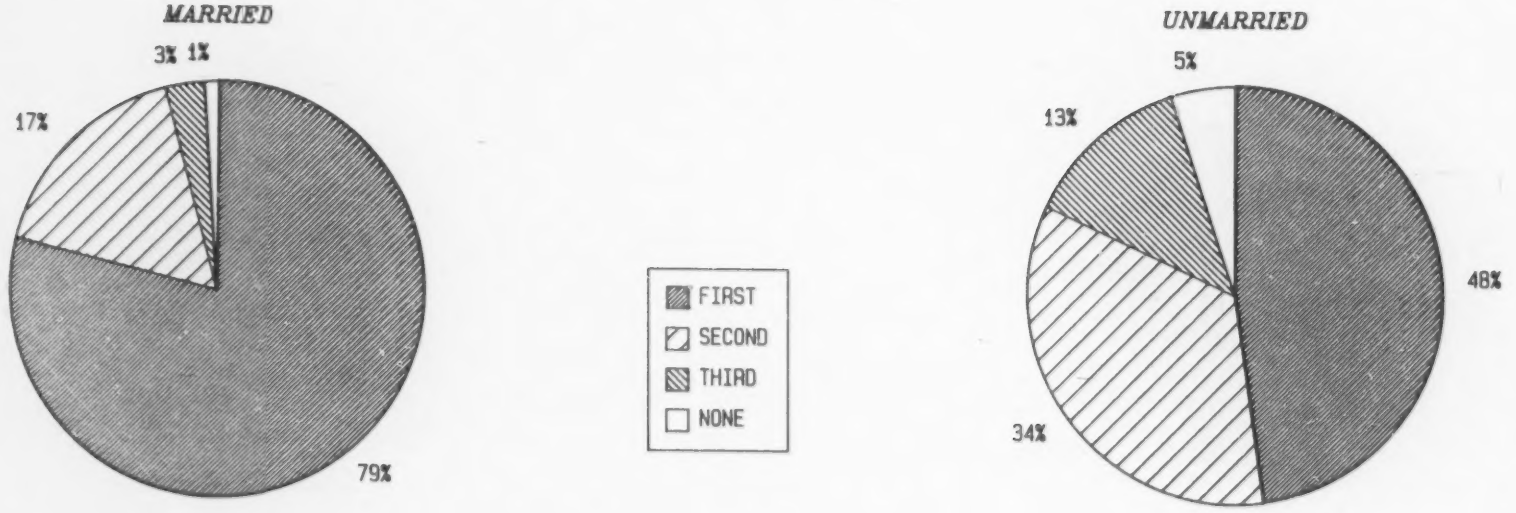


FIGURE 5

TRIMESTER PRENATAL CARE BEGAN BY MOTHER'S EDUCATION, 1986

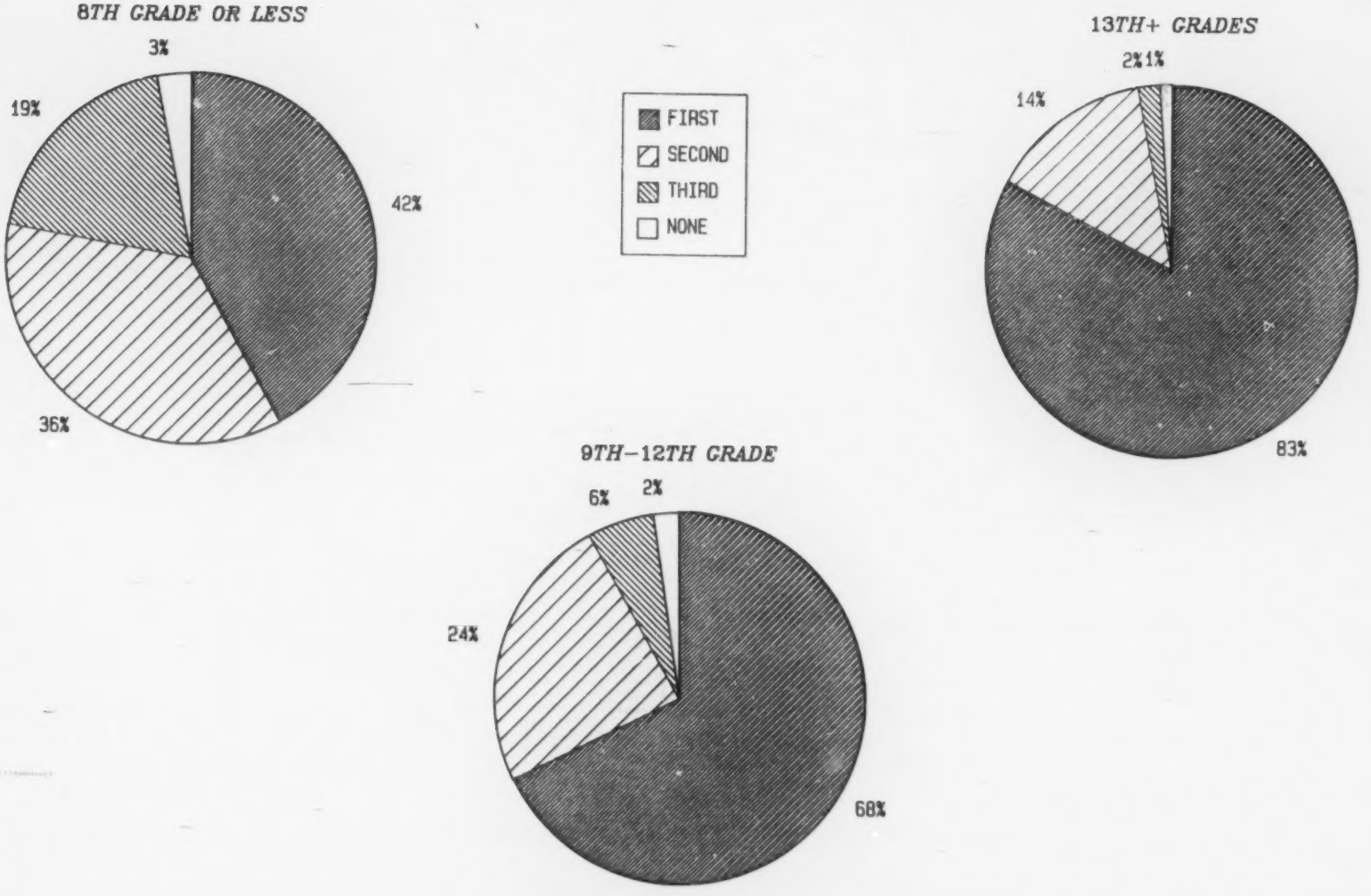


TABLE 13

BIRTHS BY MOTHER'S COUNTY OF RESIDENCE AND BABY'S BIRTH WEIGHT, 1986

		BIRTH WEIGHT IN GRAMS											
	TOTAL	499 OR LESS	500 - 999	1,000 1,400	1,500 1,999	2,000 2,499	2,500 2,999	3,000 3,499	3,500 3,999	4,000 4,499	4,500 4,999	5,000 OR MORE	UNK.
SOUTH DAKOTA	11623	18	54	50	113	380	1515	4069	3841	1332	222	24	5
AURORA	38	-	1	-	-	-	5	18	6	6	2	-	-
BEADLE	275	1	1	1	1	6	42	103	90	25	5	-	-
BENNETT	75	-	1	1	1	3	10	26	22	8	3	-	-
BON HOMME	82	-	-	-	-	1	6	26	32	14	3	-	-
BROOKINGS	303	-	-	-	2	7	28	105	108	43	9	-	-
BROWN	545	2	4	3	2	13	62	212	184	52	10	1	-
BRULE	74	-	-	-	-	3	9	21	30	10	1	-	-
BUFFALO	56	-	-	-	2	-	5	22	20	6	1	-	-
BUTTE	135	-	2	-	2	6	25	40	51	7	2	-	-
CAMPBELL	26	-	-	-	-	-	2	8	10	4	1	1	-
CHARLES MIX	181	-	-	-	3	6	17	63	63	26	3	-	-
CLARK	70	-	-	-	-	1	4	27	27	9	2	-	-
CLAY	159	-	1	-	-	3	24	63	49	12	6	-	1
CODINGTON	374	-	1	1	9	13	43	129	131	41	5	1	-
CORSON	112	-	-	-	2	-	10	43	39	13	5	-	-
CUSTER	92	-	3	-	-	6	13	41	24	4	1	-	-
DAVISON	292	-	1	2	4	5	33	96	96	45	10	-	-
DAY	112	-	-	-	-	4	9	49	34	13	3	-	-
DEUEL	61	1	-	-	-	-	6	15	31	8	-	-	-
DEWEY	160	1	4	2	2	5	17	43	64	20	2	-	-
DOUGLAS	68	1	-	2	-	-	7	21	25	9	2	1	-
EDMUNDS	63	-	-	-	1	1	12	21	17	11	-	-	-
FALL RIVER	110	-	-	-	1	4	23	40	29	12	1	-	-
FAULK	41	-	-	-	-	2	5	13	13	6	2	-	-
GRANT	133	-	-	1	2	5	16	47	39	17	5	1	-
GREGORY	87	-	1	1	-	2	10	40	26	6	1	-	-
HAAKON	46	-	1	-	3	1	4	13	18	5	1	-	-
HAMLIN	85	-	-	-	1	1	10	30	26	12	5	-	-
HAND	56	-	1	-	-	2	6	18	18	11	-	-	-
HANSON	42	-	-	-	-	2	5	11	12	8	4	-	-
HARDING	29	-	-	1	-	1	4	6	9	6	2	-	-
HUGHES	240	-	1	1	2	10	29	90	78	23	6	-	-
HUTCHINSON	121	-	-	-	-	1	15	53	35	15	1	1	-
HYDE	24	-	-	-	-	-	1	10	10	2	1	-	-
JACKSON	75	-	-	3	1	1	9	24	29	8	-	-	-
JERAULD	26	-	-	-	-	-	5	6	15	-	-	-	-
JONES	29	-	-	-	-	-	6	9	10	4	-	-	-
KINGSBURY	92	-	-	-	-	3	11	36	31	9	2	-	-
LAKE	142	-	-	-	-	4	8	52	50	24	3	1	-
LAWRENCE	297	1	-	-	6	11	40	119	86	26	5	2	1
LINCOLN	243	1	3	2	-	16	31	87	74	25	4	-	-
LYMAN	60	-	-	-	-	4	14	25	19	14	4	-	-
MCCOOK	78	-	2	-	-	4	8	29	23	8	3	1	-
MCPHERSON	39	-	-	-	1	3	5	17	11	2	-	-	-
MARSHALL	79	1	-	-	-	3	11	28	28	7	1	-	-
MEADE	351	-	1	-	2	5	53	123	112	50	5	-	-
MELLETTE	47	-	-	-	-	1	7	18	14	7	-	-	-
MINER	38	-	-	-	-	2	3	11	18	4	-	-	-
MINNEHAHA	1988	1	9	7	21	72	270	700	664	218	21	5	-
MOODY	104	-	-	-	1	3	15	33	39	9	3	1	-
PENNINGTON	1606	5	7	9	20	53	235	562	530	159	21	4	1
PERKINS	55	-	-	-	-	2	11	17	18	7	-	-	-
POTTER	49	-	-	1	-	1	5	13	18	10	-	1	-
ROBERTS	193	-	2	3	4	8	24	50	72	26	4	-	-
SANBORN	45	-	-	1	1	1	5	19	12	6	-	-	-
SHANNON	402	-	3	2	5	24	56	122	141	40	8	-	1
SPINK	133	-	-	-	3	10	24	49	32	12	3	-	-
STANLEY	50	-	-	-	-	4	3	14	21	6	2	-	-
SULLY	22	-	-	-	-	-	3	8	8	3	-	-	-
TODD	246	-	1	3	3	11	40	77	75	28	8	-	-
TRIPP	105	-	2	-	1	-	3	13	39	28	16	3	-
TURNER	95	-	-	1	1	3	12	30	30	13	5	-	-
UNION	121	-	-	1	-	3	18	44	40	15	-	-	-
YANKTON	262	3	-	-	1	4	36	94	77	41	5	1	-
WALWORTH	98	-	-	1	2	5	12	28	33	11	4	2	-
ZIEBACH	66	-	1	-	-	2	5	22	17	15	3	1	-

TABLE 14

LOW BIRTH WEIGHT BABIES BY MOTHER'S COUNTY OF RESIDENCE AND RACE, 1986
(UNDER 2,500 GRAMS)

	TOTAL	PERCENT	WHITE NUMBER	WHITE PERCENT	INDIAN NUMBER	INDIAN PERCENT	OTHER NUMBER	OTHER PERCENT
SOUTH DAKOTA	615	5.3	551	5.0	113	6.7	14	7.9
AURORA	1	2.6	1	2.6	-	-	-	-
BEADLE	10	3.6	10	3.7	-	-	-	-
BENNETT	6	8.0	2	6.7	4	9.1	-	-
BON HOMME	1	1.2	1	1.3	-	-	-	-
BROOKINGS	9	3.0	9	3.1	-	-	-	-
BROWN	24	4.4	23	4.3	1	7.1	-	-
BRULE	3	4.1	3	4.5	-	-	-	-
BUFFALO	2	3.6	-	-	2	4.5	-	-
BUTTE	10	7.4	10	7.5	-	-	-	-
CAMPBELL	-	-	-	-	-	-	-	-
CHARLES MIX	9	5.0	7	5.8	2	3.3	-	-
CLARK	1	1.4	1	1.4	-	-	-	-
CLAY	4	2.5	4	2.7	-	-	-	-
CODINGTON	24	6.4	23	6.3	1	16.7	-	-
CORSON	2	1.8	-	-	2	2.5	-	-
CUSTER	9	9.8	9	10.0	-	-	-	-
DAVISON	12	4.1	12	4.3	-	-	-	-
DAY	4	3.6	3	3.6	1	3.7	-	-
DEUEL	1	1.6	1	1.6	-	-	-	-
DEWEY	14	8.7	4	9.3	10	8.5	-	-
DOUGLAS	3	4.4	3	4.4	-	-	-	-
EDMUNDS	2	3.2	2	3.2	-	-	-	-
FALL RIVER	5	4.5	5	5.0	-	-	-	-
FAULK	2	4.9	2	4.9	-	-	-	-
GRANT	8	6.0	8	6.2	-	-	-	-
GREGORY	4	4.6	1	1.3	3	27.3	-	-
HAAKON	5	10.9	3	7.0	2	100.0	-	-
HAMLIN	2	2.4	2	2.4	-	-	-	-
HAND	3	5.4	3	5.5	-	-	-	-
HANSON	2	4.8	2	4.8	-	-	-	-
HARDING	2	6.9	1	3.7	1	50.0	-	-
HUGHES	14	5.8	12	5.9	2	5.6	-	-
HUTCHINSON	1	0.8	1	0.8	-	-	-	-
HYDE	-	-	-	-	-	-	-	-
JACKSON	5	6.7	3	9.4	2	4.7	-	-
JERAULD	-	-	-	-	-	-	-	-
JONES	-	-	-	-	-	-	-	-
KINGSBURY	3	3.3	3	3.3	-	-	-	-
LAKE	4	2.8	4	2.8	-	-	-	-
LAWRENCE	16	6.1	17	5.9	1	10.0	-	-
LINCOLN	22	9.1	22	9.1	-	-	-	-
LYMAN	4	5.0	2	4.8	2	5.4	-	-
MCCOOK	6	7.7	6	7.7	-	-	-	-
MCPHERSON	4	10.3	4	10.3	-	-	-	-
MARSHALL	4	5.1	3	4.0	1	25.0	-	-
MEADE	8	2.3	8	2.4	-	-	-	-
MELLETTE	1	2.1	-	-	1	3.2	-	-
MINER	2	5.3	2	5.3	-	-	-	-
MINNEHAHA	110	5.5	103	5.4	1	2.3	6	23.1
MOODY	4	3.8	4	4.4	-	-	-	-
PENNINGTON	94	5.9	79	5.9	8	4.3	7	9.3
PERKINS	2	3.6	2	3.8	-	-	-	-
POTTER	2	4.1	2	4.3	-	-	-	-
ROBERTS	17	8.8	7	6.6	10	11.6	-	-
SANBORN	3	6.7	3	6.7	-	-	-	-
SHANNON	34	8.5	1	5.3	33	8.6	-	-
SPINK	13	9.8	13	9.9	-	-	-	-
STANLEY	4	8.0	3	6.4	1	33.3	-	-
SULLY	-	-	-	-	-	-	-	-
TODD	18	7.3	1	4.8	16	7.2	1	50.0
TRIPP	6	5.7	5	6.3	1	4.0	-	-
TURNER	5	5.3	5	5.3	-	-	-	-
UNION	4	3.3	4	3.4	-	-	-	-
WALWORTH	8	8.2	6	8.3	2	8.0	-	-
YANKTON	8	3.1	8	3.1	-	-	-	-
ZIEBACH	3	4.5	-	-	3	6.0	-	-

TABLE 15

RESIDENT BIRTHS WITH REPORTED CONGENITAL ANOMALIES BY RACE AND SEX, 1986

		MOTHER'S RACE				
		WHITE		INDIAN		OTHER
	TOTAL	MALE	FEMALE	MALE	FEMALE	MALE
TOTAL CONGENITAL ANOMALIES	202	98	71	18	14	1
740-ANENCEPHALUS	3	1	1	1	-	-
741-SPINA BIFIDA	3	2	-	-	1	-
742-OTHER ANOMALIES	8	3	2	3	-	-
743-CONGENITAL ANOMALIES OF THE EYE	1	-	1	-	-	-
744-ANOMALIES OF EAR, FACE & NECK	6	2	3	-	1	-
745-BULBUS CORDIS, CARDIAC SEPTAL DEFECT	4	2	2	-	-	-
746-OTHER CONGENITAL ANOMALIES OF HEART	7	4	2	1	-	-
747-OTHER ANOMALIES - CIRCULATORY SYSTEM	9	5	2	-	2	-
748-ANOMALIES OF RESPIRATORY SYSTEM	6	3	1	-	2	-
749-CLEFT PALATE AND CLEFT LIP	23	10	7	4	1	1
750-ANOMALIES OF UPPER ALIMENTARY TRACT	5	2	2	1	-	-
751-OTHER ANOMALIES OF DIGESTIVE SYSTEM	5	2	1	2	-	-
752-ANOMALIES OF GENITAL ORGANS	23	19	3	1	-	-
753-ANOMALIES OF URINARY SYSTEM	10	5	5	-	-	-
754-CERTAIN MUSCULOSKELETAL DEFORMITIES	29	16	12	1	-	-
755-OTHER CONGENITAL ANOMALIES OF LIMBS	25	7	12	3	3	-
756-OTHER MUSCULOSKELETAL ANOMALIES	9	3	5	1	-	-
757-ANOMALIES OF THE INTEGUMENT	12	6	5	1	-	-
758-CHROMOSOMAL ANOMALIES	8	3	3	-	2	-
759-OTHER AND UNSPECIFIED ANOMALIES	6	3	2	-	1	-

NUMBER PRECEDING THE ANOMALY IS THE I.C.D. 9 CODE NUMBER.

TABLE 16

BIRTHS BY COUNTY OF RESIDENCE AND OCCURRENCE BY RACE, 1986

RESIDENT	BIRTHS BY RESIDENCE COUNTY				BIRTHS BY COUNTY OF OCCURRENCE			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
SOUTH DAKOTA	11,623	9,807	1,678	138	11,633	9,950	1,553	130
AURORA	38	38	.	.	.	.	.	.
BEADLE	275	269	5	1	352	346	5	1
BENNETT	75	30	44	1	30	16	13	1
BON HOMME	82	79	3	.	43	42	1	.
BROOKINGS	303	294	4	5	294	287	4	3
BROWN	545	529	14	2	797	779	15	3
BRULE	74	67	6	1	141	66	73	2
BUFFALO	56	12	44	.	.	.	.	.
BUTTE	135	133	2	.	101	100	1	.
CAMPBELL	26	26	.	.	.	.	.	.
CHARLES MIX	181	120	61	.	150	117	33	.
CLARK	70	70	.	.	.	.	.	.
CLAY	159	150	8	1	85	81	3	1
CODINGTON	374	368	6	.	609	574	35	.
CORSON	112	32	80	.	.	.	.	.
CUSTER	92	90	2	.	46	45	1	.
DAVISON	292	281	10	1	425	412	12	1
DAY	112	84	27	1	23	22	1	.
DEUEL	61	61	.	.	22	22	.	.
DEWEY	160	43	117	.	117	8	109	.
DOUGLAS	68	68	.	.	35	35	.	.
EDMUNDS	63	63	.	.	50	50	.	.
FALL RIVER	110	100	10	.	83	74	9	.
FAULK	41	41	.	.	20	20	.	.
GRANT	133	130	3	.	74	72	2	.
GREGORY	87	76	11	.	102	101	1	.
HAAKON	46	43	2	1	25	25	.	.
HAMLIN	85	85	.	.	10	10	.	.
HAND	56	55	1	.	40	39	1	.
HANSON	42	42	.	.	.	.	.	.
HARDING	29	27	2	.	411	336	73	2
HUGHES	240	203	36	1	119	119	.	.
HUTCHINSON	121	121	.	.	.	.	.	.
HYDE	24	21	3	.	.	.	.	.
JACKSON	75	32	43	.	28	27	1	.
JERAULD	26	26	.	.	.	.	.	.
JONES	29	28	1	.	64	64	.	.
KINGSBURY	92	92	.	.	120	120	.	.
LAKE	142	141	1	.	368	361	6	1
LAWRENCE	297	286	10	1	37	37	.	.
LINCOLN	243	242	.	1	.	.	.	.
LYMAN	80	42	37	1	.	.	.	.
MCCOOK	78	78	.	.	23	23	.	.
MCPHERSON	39	39	.	.	29	29	.	.
MARSHALL	79	75	4	.	651	578	6	67
MEADE	351	335	6	10	1	.	1	.
MELLETTE	47	16	31	.	.	.	.	.
MINER	38	38	.	.	2,799	2,699	68	32
MINNEHAHA	1,988	1,919	43	26	37	25	12	.
MOODY	104	90	12	2	1,469	1,245	211	13
PENNINGTON	1,606	1,344	187	75	.	.	.	.
PERKINS	55	53	2	.	43	43	.	.
POTTER	49	47	2	.	132	40	90	2
ROBERTS	193	106	86	1	.	.	.	.
SANBORN	45	45	.	.	431	20	411	.
SHANNON	402	19	383	.	21	20	1	.
SPINK	133	131	1	1	2	1	1	.
STANLEY	50	47	3	.	.	.	.	.
SULLY	22	22	.	.	171	5	166	.
TODD	246	21	223	2	111	84	26	1
TRIPP	105	80	25	.	38	38	.	.
TURNER	95	95	.	.	.	.	.	.
UNION	121	118	1	2	123	104	19	.
WALWORTH	98	72	25	1	731	589	142	.
YANKTON	262	261	1	.	.	.	.	.
ZIEBACH	66	16	50	.				

TABLE 17

BIRTHS BY STATE OF MOTHER'S RESIDENCE AND STATE OF OCCURRENCE, 1986

	BIRTHS OCCURRING IN S.D. BY MOTHER'S RESIDENCE				S.D. RESIDENT BIRTHS BY STATE OF OCCURRENCE			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
TOTAL	11,633	9,950	1,553	130	11,623	9,807	1,678	138
ALABAMA	1	1	.	.	.	.	.	.
ALASKA	1	1	.	.	1	1	.	.
ARIZONA	.	.	.	.	2	2	.	.
ARKANSAS	1	1	.	.	1	1	.	.
CALIFORNIA	3	1	2	.	1	1	.	.
COLORADO	.	.	.	.	19	16	.	3
DISTRICT OF COLUMBIA	.	.	.	.	1	1	.	.
FLORIDA	1	1	.	.	1	1	.	.
INDIANA	2	2	.	.	.	.	.	.
IOWA	107	107	.	.	91	88	1	2
MARYLAND	.	.	.	.	2	2	.	
MINNESOTA	120	112	7	1	133	126	7	.
MISSOURI	2	2	.	.	.	.	.	.
MONTANA	14	14	.	.	2	1	1	.
NEBRASKA	217	196	21	.	91	39	52	.
NEVADA	1	1	.	.	.	.	.	.
NEW JERSEY	.	.	.	.	1	1	.	.
NEW MEXICO	.	.	.	.	1	1	.	.
NORTH DAKOTA	48	44	4	.	215	116	98	1
SOUTH DAKOTA	11,048	9,401	1,518	129	11,048	9,401	1,518	129
TENNESSEE	1	.	1	.	.	.	.	.
TEXAS	.	.	.	.	6	3	.	3
UTAH	.	.	.	.	1	1	.	.
WISCONSIN	2	2	.	.	.	.	.	.
WYOMING	64	64	.	.	6	5	1	.

TABLE 18

SOUTH DAKOTA RESIDENCE PREGNANCIES BY COUNTY OF RESIDENCE AND MOTHER'S AGE, 1986*

		AGE OF MOTHER								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OLDER	UNKNOWN
TOTAL	12511	21	1418	3932	4197	2183	657	94	4	5
AURORA	39	-	1	12	17	6	2	1	-	-
BEADLE	288	-	44	73	104	51	15	1	-	-
BENNETT	76	-	10	22	19	20	5	-	-	-
BON HOMME	83	-	6	16	28	28	5	-	-	-
BROOKINGS	362	-	33	121	125	62	19	1	1	-
BROWN	567	-	49	165	204	122	25	2	-	-
BRULE	77	1	7	24	29	10	4	2	-	-
BUFFALO	60	1	15	16	19	6	2	1	-	-
BUTTE	145	1	20	56	43	21	4	-	-	-
CAMPBELL	26	-	1	9	11	4	1	-	-	-
CHARLES MIX	188	-	33	67	50	27	10	1	-	-
CLARK	70	-	6	27	16	19	2	-	-	-
CLAY	179	-	13	65	52	39	9	1	-	-
CODINGTON	386	-	29	135	139	65	13	5	-	-
CORSON	113	-	21	35	35	13	7	2	-	-
CUSTER	96	1	11	29	28	22	5	-	-	-
DAVISON	329	1	41	98	119	51	16	3	-	-
DAY	115	1	14	33	43	16	5	3	-	-
DEUEL	62	-	6	16	27	9	4	-	-	-
DEWEY	167	-	27	57	52	23	7	1	-	-
DOUGLAS	67	-	1	19	29	11	5	1	-	-
EDMUNDS	66	-	2	21	25	11	6	1	-	-
FALL RIVER	115	-	13	38	38	20	6	-	-	-
FAULK	41	-	-	11	18	11	1	-	-	-
GRANT	142	-	15	40	52	23	10	2	-	-
GREGORY	90	-	9	27	22	26	5	1	-	-
HAAKON	47	-	7	11	18	7	3	1	-	-
HAMLIN	87	-	4	16	39	21	7	-	-	-
HAND	59	-	4	22	24	7	2	-	-	-
HANSON	47	-	-	12	21	9	4	1	-	-
HARDING	33	-	6	7	10	7	3	-	-	-
HUGHES	263	2	38	71	81	53	14	4	-	-
HUTCHINSON	127	-	5	29	55	26	11	1	-	-
HYDE	25	-	2	9	6	6	2	-	-	-
JACKSON	83	-	13	27	21	13	6	3	-	-
JERAULD	26	-	4	11	6	5	-	-	-	-
JONES	32	-	6	10	11	3	2	-	-	-
KINGSBURY	95	-	9	26	41	13	5	1	-	-
LAKE	162	-	18	41	64	33	4	1	1	-
LAWRENCE	329	2	32	119	117	42	16	1	-	-
LINCOLN	246	-	27	62	95	47	13	2	-	-
LYMAN	83	-	9	25	23	13	9	4	-	-
MCCOOK	82	-	7	20	30	18	6	1	-	-
MCPHERSON	36	-	1	12	10	10	3	-	-	-
MARSHALL	75	-	5	22	28	14	4	2	-	-
MEADE	384	-	37	109	147	77	12	2	-	-
MELLETTE	45	-	4	17	15	8	1	-	-	-
MINER	35	-	2	12	15	5	1	-	-	-
MINNEHAHA	2220	2	205	667	801	413	118	13	1	-
MOODY	104	-	7	28	39	24	5	1	-	-
PENNINGTON	1796	4	230	683	542	243	81	11	1	1
PERKINS	60	-	6	19	19	12	4	-	-	-
POTTER	51	-	3	17	18	9	3	1	-	-
ROBERTS	188	1	30	61	50	34	12	-	-	-
SANBORN	45	-	9	12	11	11	2	-	-	-
SHANNON	409	2	83	133	94	64	28	4	-	1
SPINK	134	-	9	44	41	30	9	1	-	-
STANLEY	51	-	5	15	19	9	3	-	-	-
SULLY	23	-	5	8	7	3	-	-	-	-
TODD	262	2	64	74	65	36	19	2	-	-
TRIPP	116	-	12	41	35	19	9	-	-	-
TURNER	100	-	13	29	33	16	7	2	-	-
UNION	124	-	18	31	42	25	7	1	-	-
WALWORTH	101	-	9	38	31	19	4	-	-	-
YANKTON	280	-	25	76	102	56	16	5	-	-
ZIEBACH	68	-	9	24	21	6	8	-	-	-
UNKNOWN	29	-	9	10	6	-	1	-	-	3

*PREGNANCIES INCLUDE LIVE BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS.

Infant and Fetal Deaths

INFANT AND FETAL DEATHS
AN OVERVIEW: 1986

Infant Deaths	155
Infant Death Rate for 1,000 Live Births	13.3
Neonatal Deaths	85
Neonatal Death Rate Per 1,000 Live Births	7.3
Postneonatal Deaths	70
Postneonatal Death Rate Per 1,000 Live Births	6.0
Maternal Deaths	0
Fetal Deaths	72
Fetal Death Rate Per 1,000 Live Births	6.2

Infant Deaths

During 1986, there were 155 South Dakota resident infant deaths, a dramatic 31.4 percent increase over 1985. This marks the first time since 1977 that the South Dakota resident infant mortality rate (13.3 per 1,000 live births), has exceeded the national rate (10.4) (see Figure 6).

Figure 7 illustrates the 1977-1986 South Dakota resident infant death rates by race. The 1986 white resident infant death rate was 10.2 with 100 deaths. The 1986 American Indian resident infant death rate of 31.0 was the result of 52 deaths. Contributing to these increased rates were increases in infant deaths and decreases in births.

The 1990 objective for the Nation is to have less than 9 infant deaths per 1,000 live births, and less than 12 infant deaths per 1,000 live births in any county, racial or ethnic group. Rates for 1986 do deviate from the recent 3-year downward trend, however, this may be due to natural statistical variation of the data rather than the start of an upward trend.

Neonatal Deaths

In 1986, 85 (54.8 percent) of all resident infant deaths were neonatal (occurring within the first 27 days of life).

Figure 8 provides information on resident neonatal deaths per 1,000 births by race. During 1986, South Dakota had a white resident neonatal death rate of 6.2 (61 deaths) and an American Indian resident neonatal death rate of 13.7 (23 deaths).
Figure 8A illustrates 1986 resident neonatal deaths by birth weight. The distribution illustrates the direct relationship between low birth weight and neonatal deaths. A total of 63 resident neonatal deaths were low birth weight (less than 2,500 grams) or 74.1 percent of the 85 resident neonatal deaths.

During 1986, 61.0 percent of all white resident infant deaths and 44.2 percent of all American Indian resident infant deaths occurred during the neonatal period. Both of these percentages represent increases over 1985 figures.

The 1990 neonatal death rate objective is to have less than 6.5 deaths per 1,000 live births. Although South Dakota met this objective in 1985 with a rate of 5.3, the 1986 rate rose to 7.3, a 37.7 percent increase over the 1985 rate.

Postneonatal Deaths

The rate for resident postneonatal deaths (deaths occurring from 28 days to 1 year of age) fluctuates from year to year for both races as depicted in Figure 9.

In 1986, 39.0 percent of white resident infant deaths were postneonatal, for a rate of 4.1 per 1,000 live births. Postneonatal deaths accounted for 55.8 percent of all American Indian resident infant deaths, a rate of 17.3. Both rates represent increases over their respective 1985 rates.

Figure 9A displays 1986 resident postneonatal deaths by birth weight. A total of 21 resident postneonatal deaths were low birthweight (less than 2,500 grams) or 30 percent of the 70 resident postneonatal deaths.

Table 19 identifies resident infant deaths by county. Four counties (Minnehaha, Pennington, Shannon and Todd) accounted for 43.2 percent of total resident infant deaths.

Leading Causes of Infant Deaths

The vast majority of resident infant deaths during 1986 were attributable to three major causes: other conditions in perinatal period, congenital anomalies, and sudden infant death syndrome with 36, 35 and 31 deaths respectively (See Table 20). These three causes involved 102 infants or 66 percent of South Dakota resident infant deaths.

Fetal Deaths

In 1986, 72 South Dakota resident fetal deaths were reported for a rate of 6.2 per 1,000 live births. The risk of fetal death was highest in cases involving women in the age cohorts 40-44, 15-19 and 35-39. The rates for these age cohorts were 41.7, 9.1 and 8.4 respectively. The rate associated with white fetuses was 6.2 while the corresponding rate for the American Indian fetuses was 6.7 (see Table 21).

FIGURE 6

Infant Death Rates, U.S. and S.D., 1970-1986

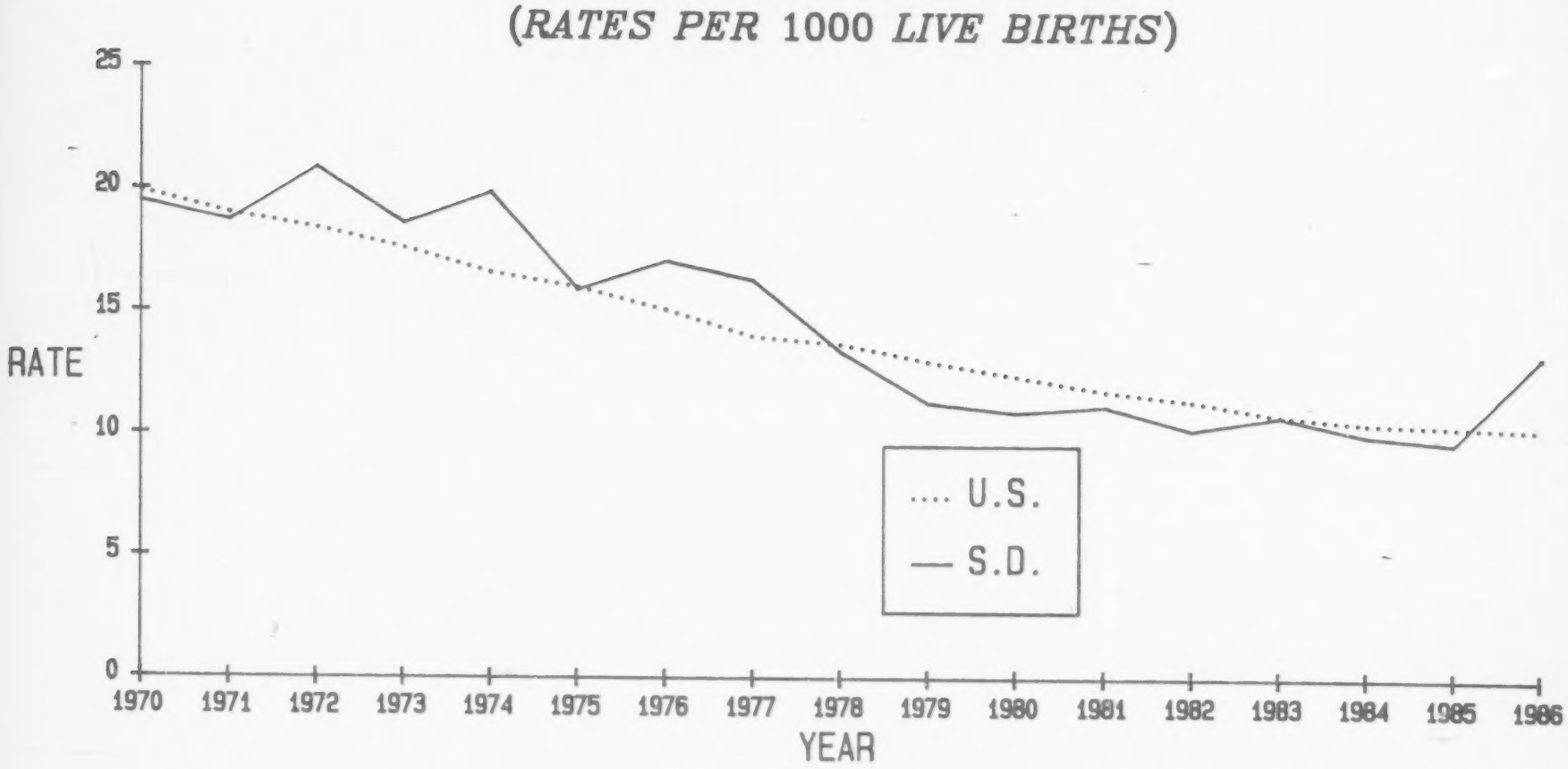


FIGURE 7

INFANT DEATH RATES BY RACE 1977-1986

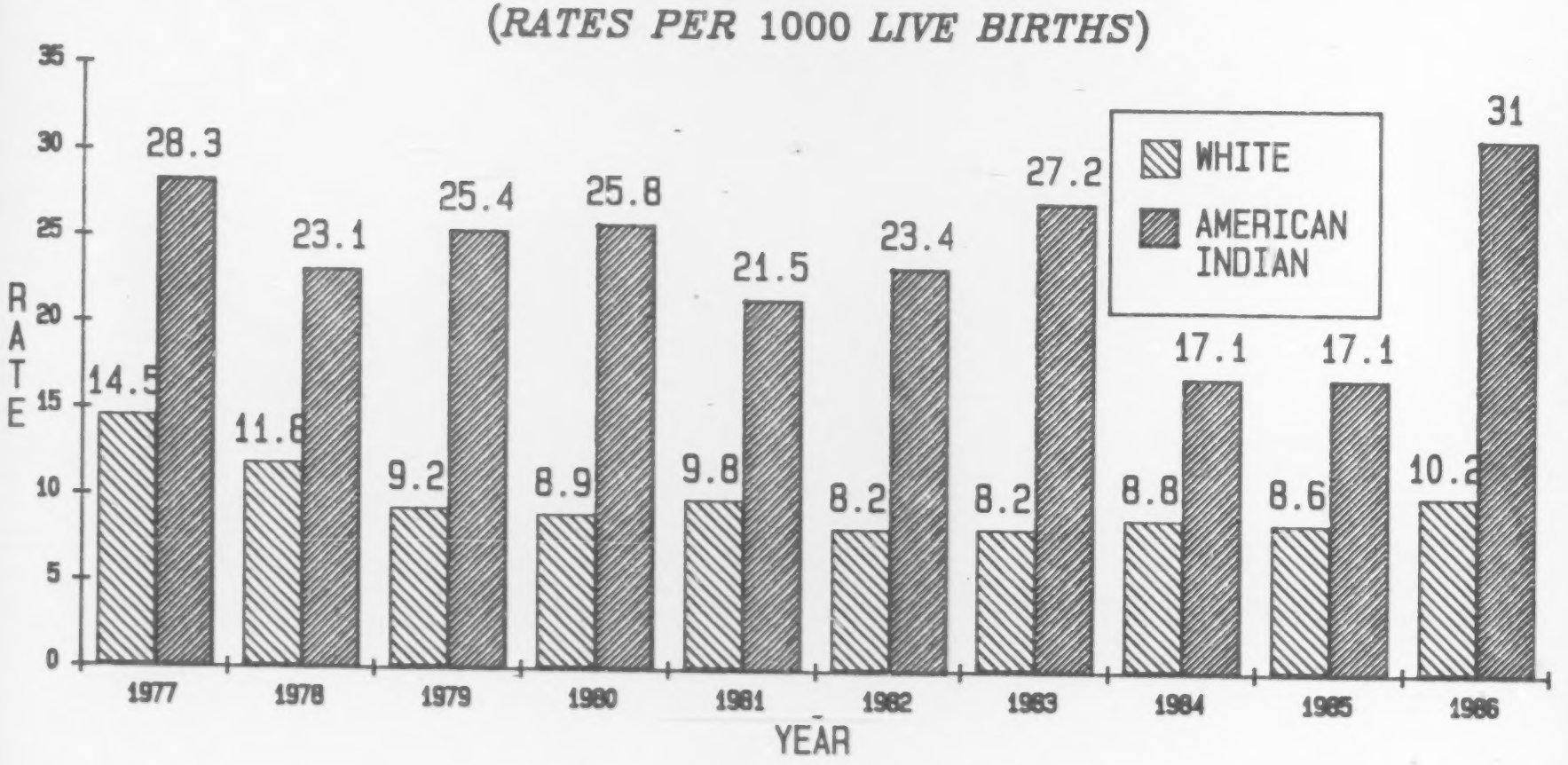


FIGURE 8

NEONTAL DEATH RATES, BY RACE 1977-1986
(RATES PER 1000 LIVE BIRTHS)

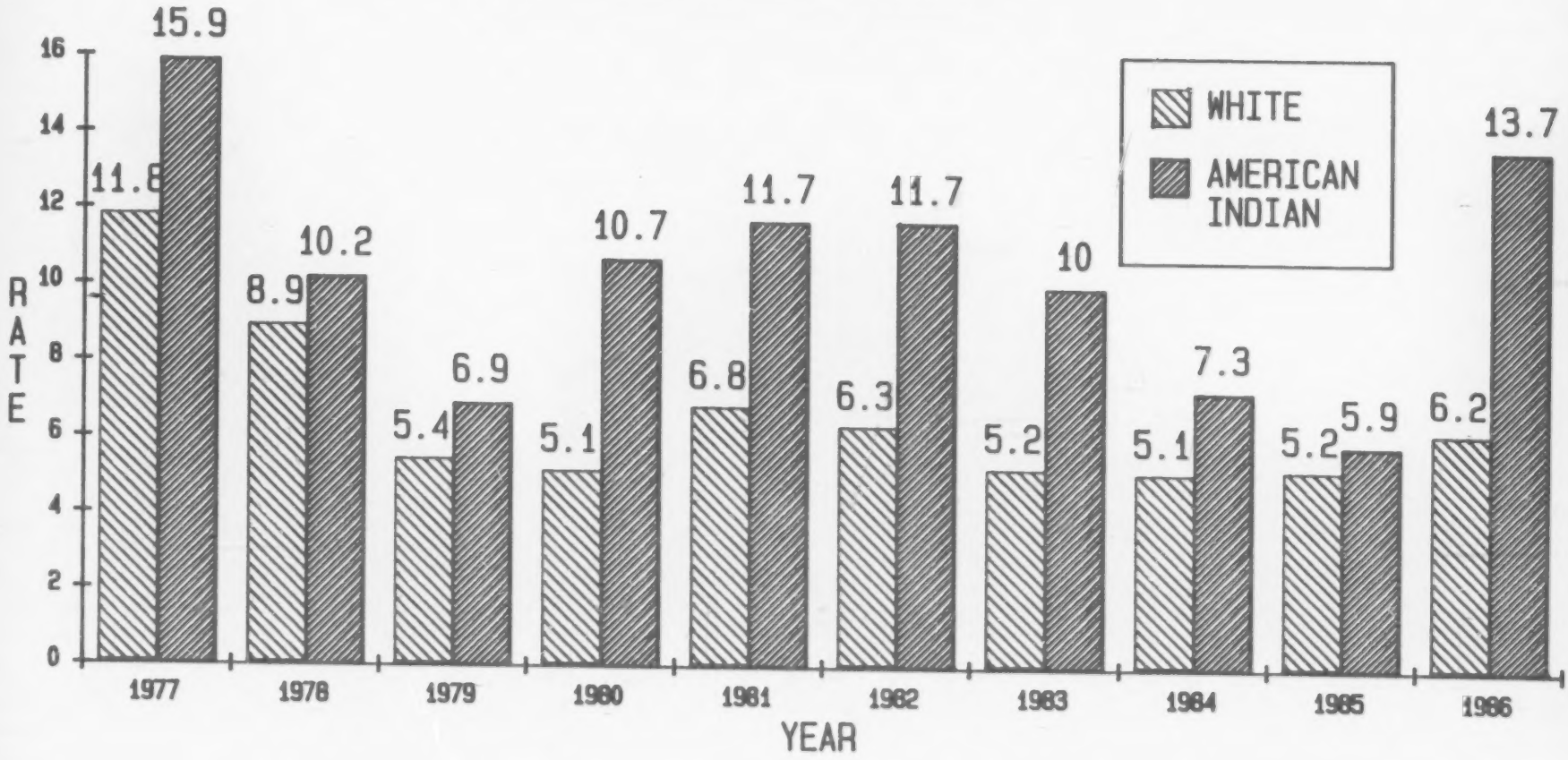


FIGURE 8A

1986 NEONATAL RESIDENT DEATHS BY BIRTH WEIGHT

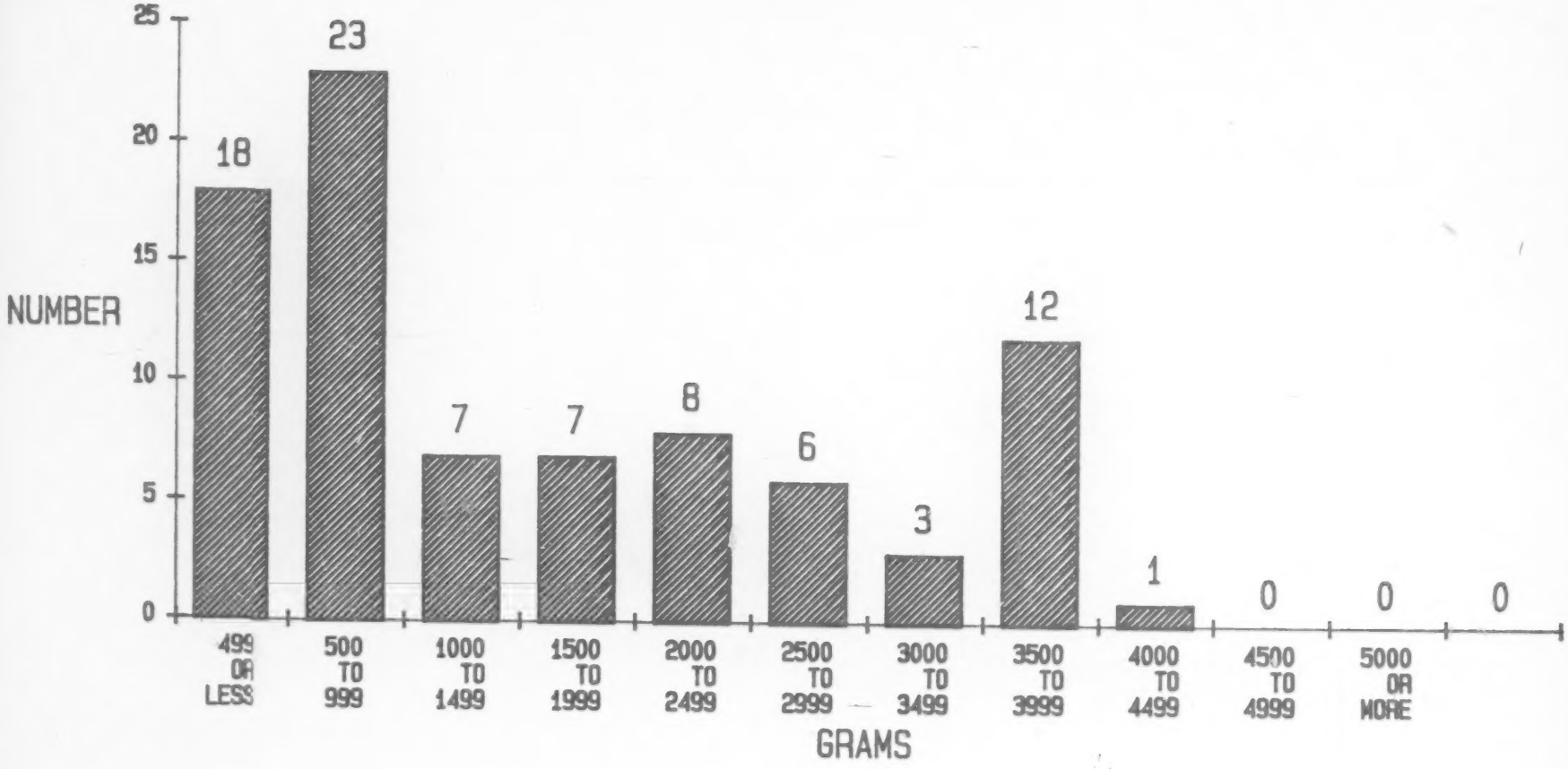


FIGURE 9

POSTNEONATAL DEATH RATES BY RACE, 1977-1986
(RATES PER 1000 LIVE BIRTHS)

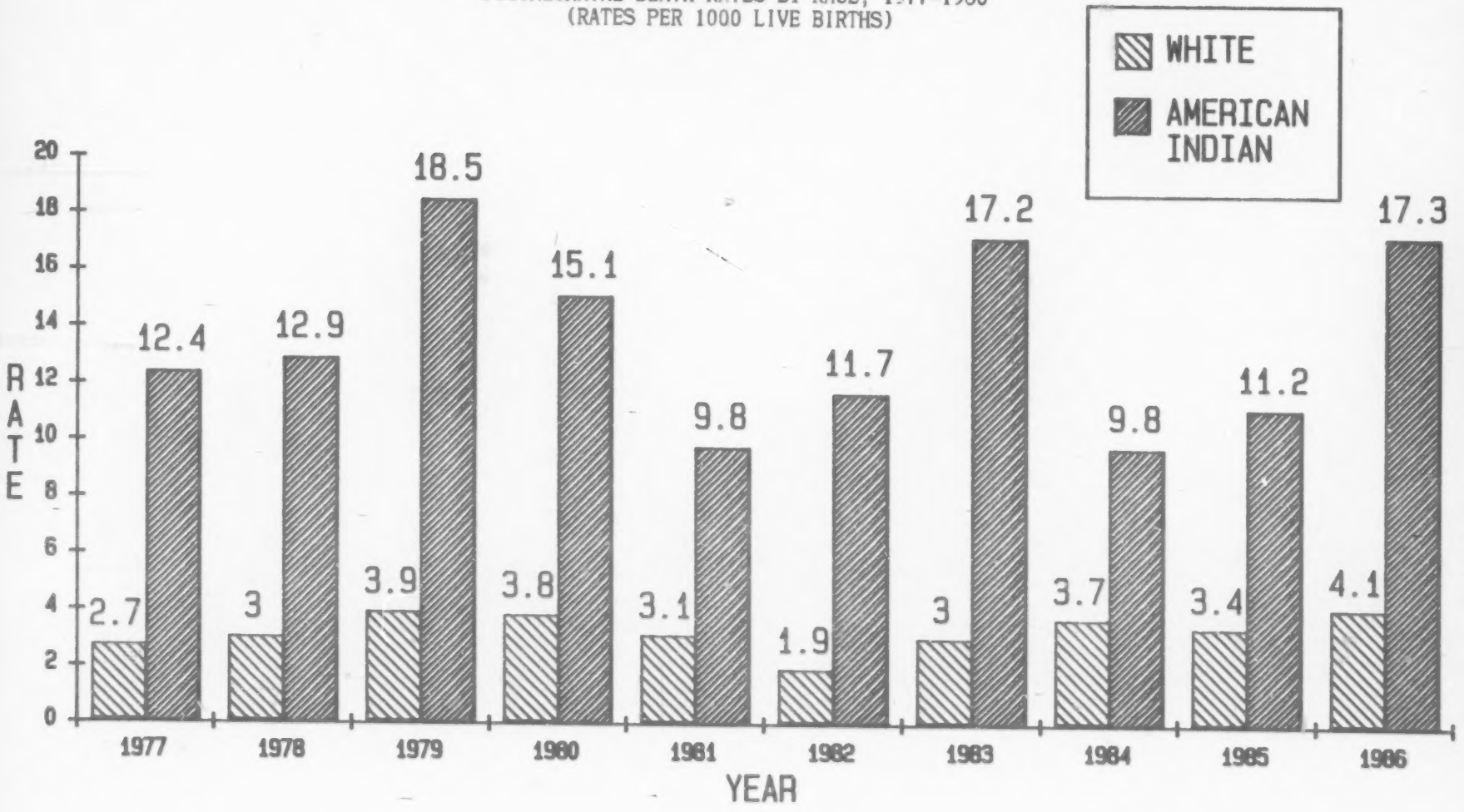


FIGURE 9A

1986 POSTNEONATAL RESIDENT DEATHS BY BIRTH WEIGHT

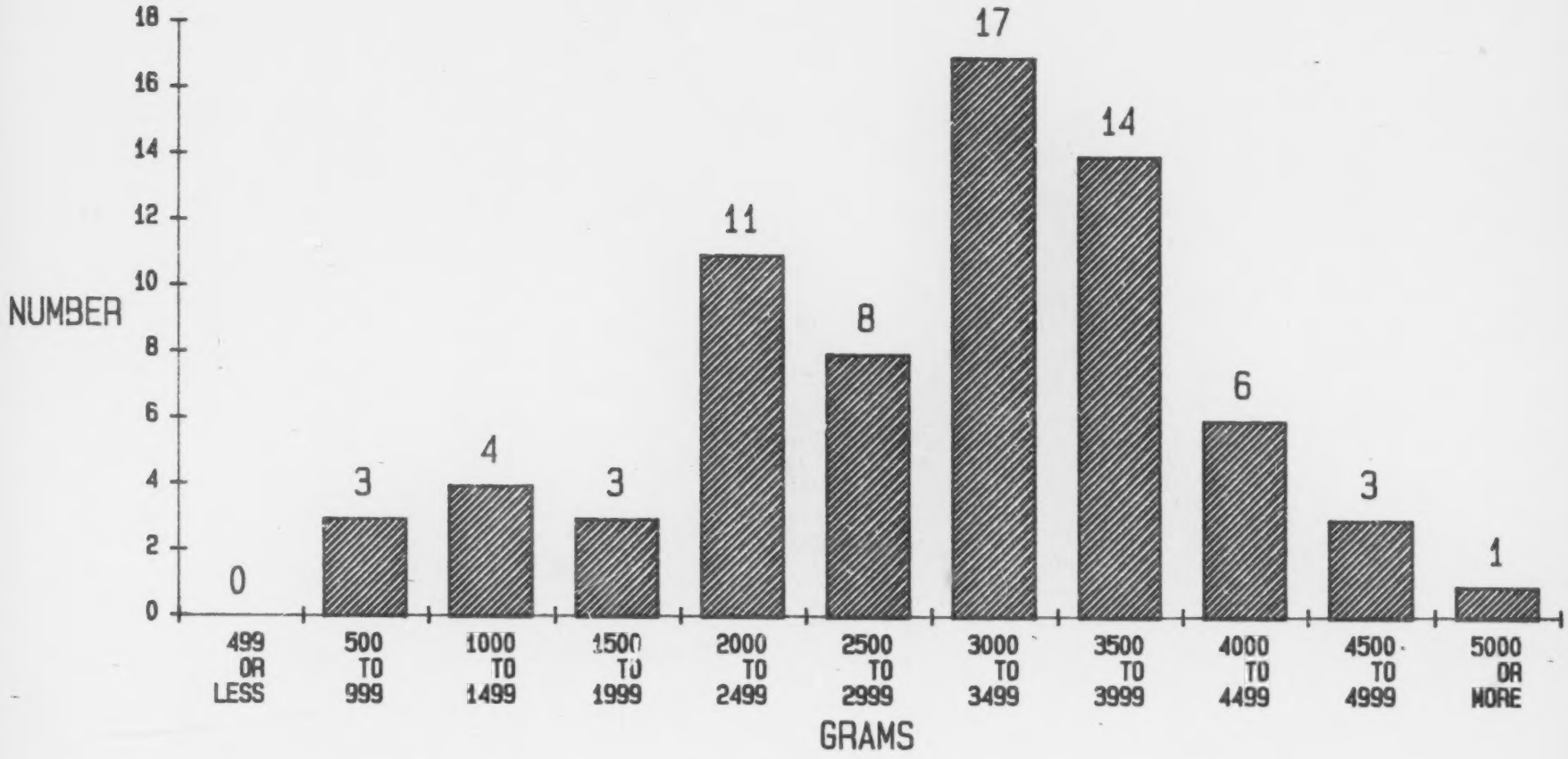


TABLE 19

INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY COUNTY OF RESIDENCE AND RACE, 1986

	INFANT DEATHS				INFANT AGE GROUP							
					NEONATAL				POSTNEONATAL			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
SOUTH DAKOTA	155	100	52	3	85	61	23	1	70	39	29	2
BEADLE	2	2	-	-	1	1	-	-	1	1	-	-
BENNETT	3	1	2	-	2	1	1	-	1	-	1	-
BON HOMME	1	1	-	-	-	-	-	-	1	1	-	-
BROOKINGS	3	3	-	-	1	1	-	-	2	2	-	-
BROWN	6	5	1	-	5	5	-	-	1	-	1	-
BRULE	1	1	-	-	-	-	-	-	1	1	-	-
BUFFALO	2	-	2	-	-	-	-	-	2	-	2	-
BUTTE	1	1	-	-	-	-	-	-	1	1	-	-
CAMPBELL	1	1	-	-	-	-	-	-	1	1	-	-
CHARLES MIX	3	1	2	-	2	1	1	-	1	-	1	-
CLARK	1	1	-	-	-	-	-	-	1	1	-	-
CLAY	1	1	-	-	1	1	-	-	-	-	-	-
CODINGTON	3	3	-	-	1	1	-	-	2	2	-	-
CORSON	1	-	1	-	-	-	-	-	1	-	1	-
CUSTER	2	2	-	-	1	1	-	-	1	1	-	-
DAVISON	4	4	-	-	2	2	-	-	2	2	-	-
DEUEL	2	2	-	-	1	1	-	-	1	1	-	-
DEWEY	7	2	5	-	6	1	5	-	1	1	-	-
DOUGLAS	1	1	-	-	1	1	-	-	-	-	-	-
EDMUNDS	1	1	-	-	1	1	-	-	-	-	-	-
FALL RIVER	1	-	1	-	-	-	-	-	1	-	1	-
GRANT	2	2	-	-	1	1	-	-	1	1	-	-
GREGORY	1	-	1	-	-	-	-	-	1	-	1	-
HAAKON	1	1	-	-	1	1	-	-	-	-	-	-
HAMLIN	1	1	-	-	1	1	-	-	-	-	-	-
HANSON	1	1	-	-	-	-	-	-	1	1	-	-
HARDING	1	1	-	-	1	1	-	-	-	-	-	-
HUGHES	2	2	-	-	1	1	-	-	1	1	-	-
HUTCHINSON	1	1	-	-	1	1	-	-	-	-	-	-
JACKSON	2	-	2	-	2	-	2	-	-	-	-	-
KINGSBURY	2	2	-	-	1	1	-	-	1	1	-	-
LAWRENCE	4	4	-	-	2	2	-	-	2	2	-	-
LINCOLN	1	1	-	-	1	1	-	-	-	-	-	-
MCCOOK	1	1	-	-	1	1	-	-	-	-	-	-
MARSHALL	1	1	-	-	1	1	-	-	-	-	-	-
MEADE	2	2	-	-	1	1	-	-	1	1	-	-
MINER	1	1	-	-	-	-	-	-	1	1	-	-
MINNEHAHA	20	19	-	1	13	13	-	-	7	6	-	1
PENNINGTON	25	16	7	2	15	10	4	1	10	6	3	1
ROBERTS	4	1	3	-	1	-	1	-	3	1	2	-
SANBORN	1	1	-	-	-	-	-	-	1	1	-	-
SHANNON	11	-	11	-	4	-	4	-	7	-	7	-
TODD	11	-	11	-	3	-	3	-	8	-	8	-
TRIPP	1	1	-	-	1	1	-	-	-	-	-	-
TURNER	1	1	-	-	1	1	-	-	-	-	-	-
WALWORTH	2	1	1	-	1	-	1	-	1	1	-	-
YANKTON	6	6	-	-	5	5	-	-	1	1	-	-
ZIEBACH	2	-	2	-	1	-	1	-	1	-	1	-

TABLE 19A

SOUTH DAKOTA RESIDENT INFANT DEATHS BY BIRTH WEIGHT
FOR DEATH YEAR 1986

	TOTAL	BIRTH WEIGHT IN GRAMS										
		499 OR LESS	500 - 999	1,000 1,400	1,500 1,999	2,000 2,499	2,500 2,999	3,000 3,499	3,500 3,999	4,000 4,499	4,500 4,999	5,000 OR MORE
TOTAL	155	18	26	11	10	19	14	20	26	7	3	1
NEONATAL	85	18	23	7	7	8	6	3	12	1	-	-
POSTNEONATAL	70	-	3	4	3	11	8	17	14	6	3	1

TABLE 20

RESIDENT INFANT DEATHS BY AGE AND CAUSE, 1986

	TOTAL	RACE									
		WHITE				INDIAN				OTHER	
		UNDER 1 DAY	1 THRU 6 DAYS	7 THRU 27 DAYS	28 DAYS THRU 11 MONTHS	UNDER 1 DAY	1 THRU 6 DAYS	7 THRU 27 DAYS	28 DAYS THRU 11 MONTHS	UNDER 1 DAY	28 DAYS THRU 11 MONTHS
	155	40	9	11	40	12	8	3	29	1	2
CAUSES OF DEATH											
PNEUMONIA & INFLUENZA 480-487	1	-	-	-	-	-	-	-	-	-	1
CONGENITAL ANOMALIES 740-759	35	10	6	7	4	4	2	-	2	-	-
OTHER CONDITIONS IN PERINATAL PERIOD 760-764,766,770-779	36	18	3	1	2	5	4	1	1	1	-
SHORT GESTATION & LOW BIRTH WEIGHT 765	8	7	-	-	-	1	-	-	-	-	-
BIRTH TRAUMA 767	1	-	-	-	-	-	-	-	1	-	-
INTRAUTERINE HYPOXIA & BIRTH ASPHYXIA 768	4	1	-	1	2	-	-	-	-	-	-
RESPIRATORY DISEASES SYNDROME 769	9	2	-	2	-	2	-	-	3	-	-
SUDDEN INFANT DEATH SYNDROME 798.0	31	-	-	-	15	-	2	1	12	-	1
EXTERNAL CAUSES E800-E999	3	-	-	-	2	-	-	-	1	-	-
ALL OTHER CAUSES	27	2	-	-	15	-	-	1	9	-	-

NUMBERS FOLLOWING CAUSE OF DEATH ARE I.C.D. 9 CODES.

TABLE 21

FETAL DEATHS BY MOTHER'S COUNTY OF RESIDENCE, RACE AND AGE, 1986
(20 WEEKS GESTATION OR MORE)

	TOTAL	RACE OF MOTHER			AGE OF MOTHER						
		WHITE	INDIAN	OTHER	UNDER 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44
SOUTH DAKOTA	72	59	11	2	1	10	19	19	15	5	3
BEADLE	1	1	-	-	-	1	-	-	-	-	-
BROOKINGS	1	1	-	-	-	-	-	1	-	-	-
BRULE	1	1	-	-	-	1	-	-	-	-	-
BUFFALO	1	-	1	-	-	-	1	-	-	-	-
BUTTE	2	2	-	-	-	-	-	-	2	-	-
CLAY	1	1	-	-	-	-	-	-	1	-	-
CODINGTON	1	1	-	-	-	-	1	-	-	-	-
CUSTER	1	1	-	-	-	1	-	-	-	-	-
DAVISON	4	4	-	-	-	-	1	3	-	-	-
DEWEY	2	1	1	-	-	-	1	-	-	-	1
EDMUNDS	2	2	-	-	-	-	1	1	-	-	-
FALL RIVER	1	1	-	-	-	-	1	-	-	-	-
GRANT	4	4	-	-	-	-	2	1	1	-	-
HAMLIN	2	2	-	-	-	-	-	2	-	-	-
HANSON	1	1	-	-	-	-	-	-	-	1	-
HARDING	1	-	1	-	-	-	-	-	1	-	-
HUTCHINSON	2	2	-	-	-	1	1	-	-	-	-
LAKE	1	1	-	-	-	-	-	-	1	-	-
LAWRENCE	3	3	-	-	-	1	-	1	1	-	-
LINCOLN	1	1	-	-	-	-	-	1	-	-	-
LYMAN	1	1	-	-	-	-	-	-	1	-	-
MEADE	5	4	-	1	-	-	1	3	1	-	-
MELLETTE	1	-	1	-	-	-	1	-	-	-	-
MINNEHAHA	7	7	-	-	-	2	3	1	1	-	-
PENNINGTON	10	9	-	1	-	2	1	2	2	2	1
ROBERTS	3	2	1	-	-	-	3	-	-	-	-
SHANNON	4	-	4	-	1	1	-	-	2	-	-
TODD	2	-	2	-	-	-	-	2	-	-	-
TRIPP	4	4	-	-	-	-	1	-	1	2	-
TURNER	2	2	-	-	-	-	-	1	-	-	1

Mortality

MORTALITY
AN OVERVIEW: 1986

Total Resident Deaths	6,583
Crude Death Rate Per 1,000 Population, S.D.	9.3
Provisional Crude Death Rate Per 1,000 Population, U.S.	8.7
Deaths Caused by Heart Diseases, S.D.	2,497
Heart Disease Death Rate, S.D. (Per 100,000 Population)	352.7
Provisional Heart Disease Death Rate, U.S. Per 100,000 Population)	318.7
Deaths Caused by Cancer, S.D.	1,450
Cancer Death Rate, S.D. (Per 100,000 Population)	204.8
Provisional Cancer Death Rate, U.S. (Per 100,000 Population)	193.3
Motor Vehicle Deaths, S.D.	135

There were 6,583 South Dakota resident deaths during 1986, compared to 6,604 in 1985, a 0.3 percent decrease. The highest resident death rate recorded in South Dakota was in 1969 with 6,747 resident deaths for a rate of 10.1 per 1,000 population. The South Dakota resident death rate has remained fairly constant, around 9.5 to 9.8, while the U.S. death rate shows a slow but steady decline to 8.7 in 1986 from 9.5 in 1960.

Deaths by county of residence, county of occurrence and race are provided in Table 22. Of the 6,583 South Dakota resident deaths, 6,156 were white, 412 American Indian and 15 other races. There were 6,592 deaths occurring in South Dakota during 1986. An occurrence death differs from a resident death as the former refers to the place (state/county) of death and the latter refers to the residence of the deceased at the time of death.

Deaths by state of occurrence and state of residence are provided in Table 23. Of the 6,583 South Dakota resident deaths, 6,125 or 93.0 percent occurred within the boundaries of South Dakota, and 458 or 7.0 percent occurred outside state boundaries. In addition, there were 467 deaths of non-residents within state boundaries, accounting for 7.1 percent of occurrence deaths in 1986.

Leading Causes of Death

In 1986, there were 6,583 resident deaths; 6,156 white; 412 American Indian and 15 other races. Figures 10A and 10B display the ten leading causes of resident deaths for whites and American Indians respectively. In addition, Table 24 ranks cause of death by race and ranks State data regardless of race. Even though the National and State ten leading causes of deaths are the same, only the first four (diseases of heart, cancer, cerebrovascular diseases and accidents/adverse effects) are in the same rank order. Although 62 percent of white resident deaths are caused by heart disease and cancer, only 34 percent of American Indian resident deaths result from those two causes. Furthermore, 4 percent of American Indian resident deaths are caused by conditions originating in the perinatal period, whereas only 1 percent of white resident death are attributable to that cause.

Not only are differences in cause of death by race apparent, but also by age (see Figure 11). Chronic conditions such as heart disease and cancer are more prevalent in the older age cohorts while accidents are more prominent in the younger age cohorts. Table 25 provides more detailed information on cause of death by age cohort and race.

Accidents were the leading cause of death for those residents age 1-4. Seventeen of the 38 resident deaths in this age cohort or 44.7 percent were due to accidents. In addition, 5 deaths in this age cohort were due to congenital anomalies.

Sixteen or 61.5 percent of resident deaths ages 5-14 were also caused by accidents. Furthermore, cancer accounted for 11.5 percent of the resident deaths in this age cohort.

Resident deaths attributable to accidents were 53 or 43.4 percent of the 15-24-year-old deaths. An additional 32 resident deaths were a result of suicide, accounting for 31.1 percent of all resident suicides.

Accidents as a cause of death remain fairly high for residents ages 25-34. Fifty-three or 38.1 percent of the deaths were due to accidents. In addition, there were 18 suicides in this age cohort accounting for 12.9 percent of this age group's deaths.

For residents ages 35-44; diseases of the heart, cancer and accidents accounted for 29, 28 and 28 deaths respectively. These three causes accounted for 58.6 percent of resident deaths for this age cohort.

Heart disease and cancer account for 68.6 percent of the resident deaths for the 45-64 age cohort and 63.6 percent of the resident deaths for those 65 and older.

In summary, external causes of death are predominant killers for residents ages 1-34 and chronic conditions for residents ages 35 and older (see Table A).

Table A
Leading Causes of Death By Age
1986

Age	Leading Cause	Number	Percent Total
1-4	Accidents	17	44.7
5-14	Accidents	16	61.5
15-24	Accidents	53	43.4
25-34	Accidents	53	38.1
35-44	Heart Diseases	29	20.0
45-64	Malignant Neoplasms	341	34.7
65+	Heart Diseases	2,117	42.5

Specific Causes

Heart Disease

During 1986, 2,497 or 37.9 percent of resident deaths resulted from diseases of the heart. This represents a 3.4 percent decrease from the 2,585 resident deaths attributable to this cause in 1985. The number of heart disease deaths is 72.2 percent higher than the second leading cause of resident deaths, malignant neoplasms (see Table 25).

Cancer

Of the 6,583 resident deaths in 1986, 1,450 or 22.0 percent died from cancer (see Table 26). The cancer death rate of 204.8 per 100,000 population was 5.6 percent higher than the rate of 194 per 100,000 in 1985. Malignant neoplasms of the trachea, bronchus and lung caused the most cancer deaths, 364, followed by malignant neoplasms of the colon, with 198 deaths.

Table 26 indicates that residents of Turner County had the highest cancer death rate in South Dakota, 437 per 100,000 population. Jones County had no cancer deaths in 1986 with Shannon County, 47 per 100,000, the next lowest rate.

Accidental and Violent Deaths Occurring in S.D.

There were 436 accidental and violent deaths resulting from injury in South Dakota during 1986 (see Table 27 and Figure 12). This represents a 2.6 percent increase over 1985 figures. Table 28 details further the external cause of death by county of injury.

Motor Vehicle Accidents

The leading cause of accidental and violent deaths was motor vehicle traffic accidents. During 1986, there were 135 resident deaths resulting from traffic accidents, a 3.8 percent increase over 1985 figures. According to the 1986 Motor Vehicle Traffic Accident Summary, 54.2 percent of the 118 fatal traffic accidents in South Dakota are alcohol-involved (at least one driver, pedestrian, or bicycle driver involved had been drinking in the opinion of the investigating officer).

Suicide

Suicides accounted for 103 resident deaths during 1986, a 25.6 percent increase over 1985 resident suicides. Also, suicides accounted for 105 of the accidental and violent deaths resulting from injury in South Dakota (see Figure 12).

Table B details suicide deaths resulting from injury in South Dakota from 1960-1986. The 1986 rate of 14.83 per 100,000 population is the highest in the 27 years reported. Males committed 85.4 percent of all resident suicides. In addition, whites accounted for 84.5 percent of all resident suicides in 1986.

Of the 103 resident suicide deaths in 1986, 32 were in the 15-24 age cohort, 19 in the 65+ age cohort, 18 in the 25-34 age cohort, and 17 in the 35-44 age cohort.

The age cohort with the largest increase over 1985 data was the 35-44 age cohort. In 1986, this cohort experienced a 112.5 percent increase in resident suicides over 1985 figures. Furthermore, the 65+ age cohort experienced a 90.0 percent increase in 1986 resident suicides over 1985 data.

TABLE B
SOUTH DAKOTA SUICIDES, 1960-1986

	TOTAL	% MALES	% WHITE	RATE (Per 100,000) Population	PMR*
1960	69	89.9	97.1	10.10	1.04
1961	49	73.5	95.9	7.07	.79
1962	80	87.5	96.3	11.3	1.22
1963	72	80.6	94.4	10.17	1.08
1964	70	90.0	85.7	9.99	1.06
1965	62	90.3	96.8	8.96	0.95
1966	67	73.1	92.5	9.91	1.02
1967	57	77.2	96.5	8.49	0.90
1968	60	81.7	80.0	8.97	0.92
1969	63	76.2	92.1	9.43	0.93
1970	61	68.9	83.6	9.16	0.93
1971	82	72.0	80.5	12.17	1.22
1972	74	66.2	79.7	10.88	1.05
1973	53	81.1	90.6	7.77	0.80
1974	69	81.2	88.4	10.13	1.05
1975	72	81.9	84.7	10.58	1.11
1976	75	85.3	84.0	10.94	1.11
1977	74	82.4	82.4	10.76	1.18
1978	79	79.8	83.5	11.41	1.22
1979	71	84.5	87.3	10.31	1.12
1980	89	84.3	78.7	12.88	1.36
1981	84	88.1	72.6	12.16	1.31
1982	95	82.1	89.5	13.75	1.44
1983	82	86.6	84.1	11.77	1.24
1984	89	88.8	91.0	12.77	1.38
1985	82	86.6	80.5	11.62	1.24
1986	105	85.4	84.5	14.83	1.56

*Proportional Mortality Rate is the proportion of suicide deaths to all deaths; e.g., in 1986 there were 1.56 suicide deaths for every 100 deaths (from all causes).

TABLE 22

DEATHS BY COUNTY OF RESIDENCE AND OCCURRENCE BY RACE, 1986

	DEATHS BY COUNTY OF RESIDENCE				DEATHS BY COUNTY OF OCCURRENCE			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
SOUTH DAKOTA	6,583	6,156	412	15	6,592	6,209	368	15
AURORA	36	36	.	.	17	17	.	.
BEADLE	200	200	.	.	210	210	.	.
BENNETT	24	17	7	.	25	15	10	.
BON HOMME	93	93	.	.	81	81	.	.
BROOKINGS	170	170	.	.	156	156	.	.
BROWN	301	298	3	.	340	338	2	.
BRULE	53	52	1	.	51	45	6	.
BUFFALO	7	2	5	.	2	1	1	.
BUTTE	91	91	.	.	74	74	.	.
CAMPBELL	18	18	.	.	.	.	.	.
CHARLES MIX	110	85	25	.	96	77	19	.
CLARK	65	65	.	.	33	33	.	.
CLAY	90	89	1	.	71	71	.	.
CODINGTON	216	216	.	.	231	231	.	.
CORSON	43	25	18	.	19	6	13	.
CUSTER	55	52	2	1	47	44	2	1
DAVISON	194	192	1	1	212	210	1	1
DAY	107	104	3	.	72	71	1	.
DEUEL	65	65	.	.	48	48	.	.
DEWEY	43	19	24	.	23	8	15	.
DOUGLAS	52	52	.	.	42	42	.	.
EDMUNDS	62	62	.	.	61	61	.	.
FALL RIVER	143	137	6	.	164	147	17	.
FAULK	36	36	.	.	23	23	.	.
GRANT	87	87	.	.	70	70	.	.
GREGORY	82	78	4	.	69	68	1	.
HAAKON	24	24	.	.	25	25	.	.
HAMLIN	67	67	.	.	47	47	.	.
HAND	54	54	.	.	49	49	.	.
HANSON	25	25	.	.	8	8	.	.
HARDING	9	9	.	.	2	2	.	.
HUGHES	120	116	3	1	156	144	10	2
HUTCHINSON	126	126	.	.	119	119	.	.
HYDE	14	14	.	.	4	4	.	.
JACKSON	26	17	9	.	19	17	2	.
JERAULD	31	31	.	.	23	23	.	.
JONES	16	16	.	.	4	4	.	.
KINGSBURY	98	98	.	.	85	85	.	.
LAKE	104	104	.	.	105	105	.	.
LAWRENCE	202	202	.	.	161	160	1	.
LINCOLN	131	131	.	.	91	91	.	.
LYMAN	20	17	3	.	7	6	1	.
MCCOOK	69	69	.	.	45	45	.	.
MCPHERSON	45	45	.	.	27	27	.	.
MARSHALL	66	64	2	.	42	41	1	.
MEADE	115	112	2	1	192	187	4	1
MELLETTE	23	10	13	.	8	5	3	.
MINER	50	50	.	.	26	26	.	.
MINNEHAHA	866	860	4	2	1,505	1,481	22	2
MOODY	78	76	2	.	50	49	1	.
PENNINGTON	562	510	44	8	652	568	77	7
PERKINS	45	45	.	.	23	23	.	.
POTTER	43	42	.	1	25	24	.	1
ROBERTS	142	115	27	.	111	91	20	.
SANBORN	31	31	.	.	8	8	.	.
SHANNON	101	6	95	.	52	2	50	.
SPINK	101	101	.	.	73	73	.	.
STANLEY	14	14	.	.	1	1	.	.
SULLY	11	11	.	.	2	2	.	.
TODD	79	5	74	.	46	3	43	.
TRIPP	83	74	9	.	72	57	15	.
TURNER	123	123	.	.	73	73	.	.
UNION	116	115	1	.	54	53	1	.
WALWORTH	101	89	12	.	114	102	12	.
YANKTON	193	192	1	.	245	231	14	.
ZIEBACH	16	5	11	.	4	1	3	.

TABLE 23

DEATHS BY STATE OF RESIDENCE AND OCCURRENCE BY RACE, 1986

	DEATHS IN S.D. BY RESIDENCE STATE				SOUTH DAKOTA RESIDENT DEATHS BY STATE OF OCCURRENCE			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
ALL DEATHS	6,592	6,209	368	15	6,583	6,156	412	15
ARIZONA	2	2	.	.	18	16	1	1
ARKANSAS	1	1	.	.	.	.	.	.
CALIFORNIA	12	12	.	.	14	14	.	.
COLORADO	6	6	.	.	46	33	13	.
CONNECTICUT	1	1	.	.	.	.	.	.
FLORIDA	.	.	.	.	6	6	.	.
GEORGIA	2	2	.	.	1	1	.	.
ILLINOIS	2	2	.	.	3	3	.	.
INDIANA	2	2	.	.	.	.	.	.
IOWA	110	110	.	.	61	60	1	.
KANSAS	1	.	1	.	1	1	.	.
KENTUCKY	1	1	.	.	.	.	.	.
MICHIGAN	1	1	.	.	1	1	.	.
MINNESOTA	164	163	1	.	116	108	8	.
MISSOURI	3	3	.	.	4	4	.	.
MONTANA	14	14	.	.	3	3	.	.
NEBRASKA	66	59	7	.	41	31	10	.
NEVADA	1	.	.	1	.	.	.	.
NEW HAMPSHIRE	1	1	.	.	.	.	.	.
NEW MEXICO	3	2	1	.	4	2	2	.
NEW YORK	2	2	.	.	2	1	1	.
NORTH DAKOTA	19	16	3	.	97	78	19	.
OHIO	.	.	.	.	4	3	1	.
OKLAHOMA	.	.	.	.	1	1	.	.
OREGON	2	2	.	.	4	4	.	.
PENNSYLVANIA	4	4	.	.	.	.	.	.
SOUTH DAKOTA	6,125	5,756	355	14	6,125	5,756	355	14
TEXAS	4	4	.	.	8	8	.	.
UTAH	.	.	.	.	1	1	.	.
WASHINGTON	2	2	.	.	4	4	.	.
WEST VIRGINIA	.	.	.	.	1	1	.	.
WISCONSIN	3	3	.	.	2	2	.	.
WYOMING	35	35	.	.	12	11	1	.
CANADA	2	2	.	.	3	3	.	.
FOREIGN COUNTRY	1	1	.	.	.	.	.	.

TABLE 24

RESIDENT LEADING CAUSES OF DEATH, 1986

CAUSE OF DEATH	ALL RACES				WHITE			INDIAN		
	RANK	DEATHS	%	RATE	RANK	DEATHS	%	RANK	DEATHS	%
SOUTH DAKOTA		6,583	100.0	929.8*		6,156	100.0		412	100.0
DISEASE OF THE HEART 390-398,402,404-429	1	2,497	37.9	352.7	1	2,393	38.9	1	99	24.0
MALIGNANT NEOPLASMS 140-208	2	1,450	22.0	204.8	2	1,405	22.8	3	42	10.2
CEREBROVASCULAR DISEASES 430-438	3	539	8.2	76.1	3	529	8.6	10	10	2.4
ACCIDENTS E800-E949	4	300	4.6	42.4	5	240	3.9	2	60	14.6
PNEUMONIA AND INFLUENZA 480-487	5	277	4.2	39.1	4	263	4.3	8	12	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASES 490-496	6	229	3.5	32.3	6	220	3.6	-	-	-
DIABETES MELLITUS 250	7	108	1.6	15.3	7	97	1.6	9	11	2.7
SUICIDE E950-E959	8	103	1.6	14.5	8	87	1.4	6	16	3.9
ATHEROSCLEROSIS 440	9	80	1.2	11.3	9	78	1.3	-	-	-
CHRONIC LIVER DISEASE AND CIRRHOSIS 571	10	62	0.9	8.8	-	-	-	4	22	5.3
CONDITIONS ORIGNT. IN PERINATAL PERIOD 760-779	-	-	-	-	10	43	0.7	5	18	4.4
HOMICIDE AND LEGAL INTERVENTION E960-E978	-	-	-	-	-	-	-	7	13	3.2
ALL OTHER CAUSES	-	938	14.2	132.5	-	801	13.0	-	109	26.5

RATE FOR ALL RACES IS PER 100,000 POPULATION.
NUMBERS FOLLOWING CAUSE OF DEATH ARE I.C.D. 9 CODES.
DUE TO ROUNDING OF DISEASE SPECIFIC DEATH RATES, THESE WILL NOT SUM TO STATE DEATH RATE.

FIGURE 10A

TEN LEADING CAUSES OF DEATH
SOUTH DAKOTA, 1986
(PERCENT OF TOTAL WHITE DEATHS)

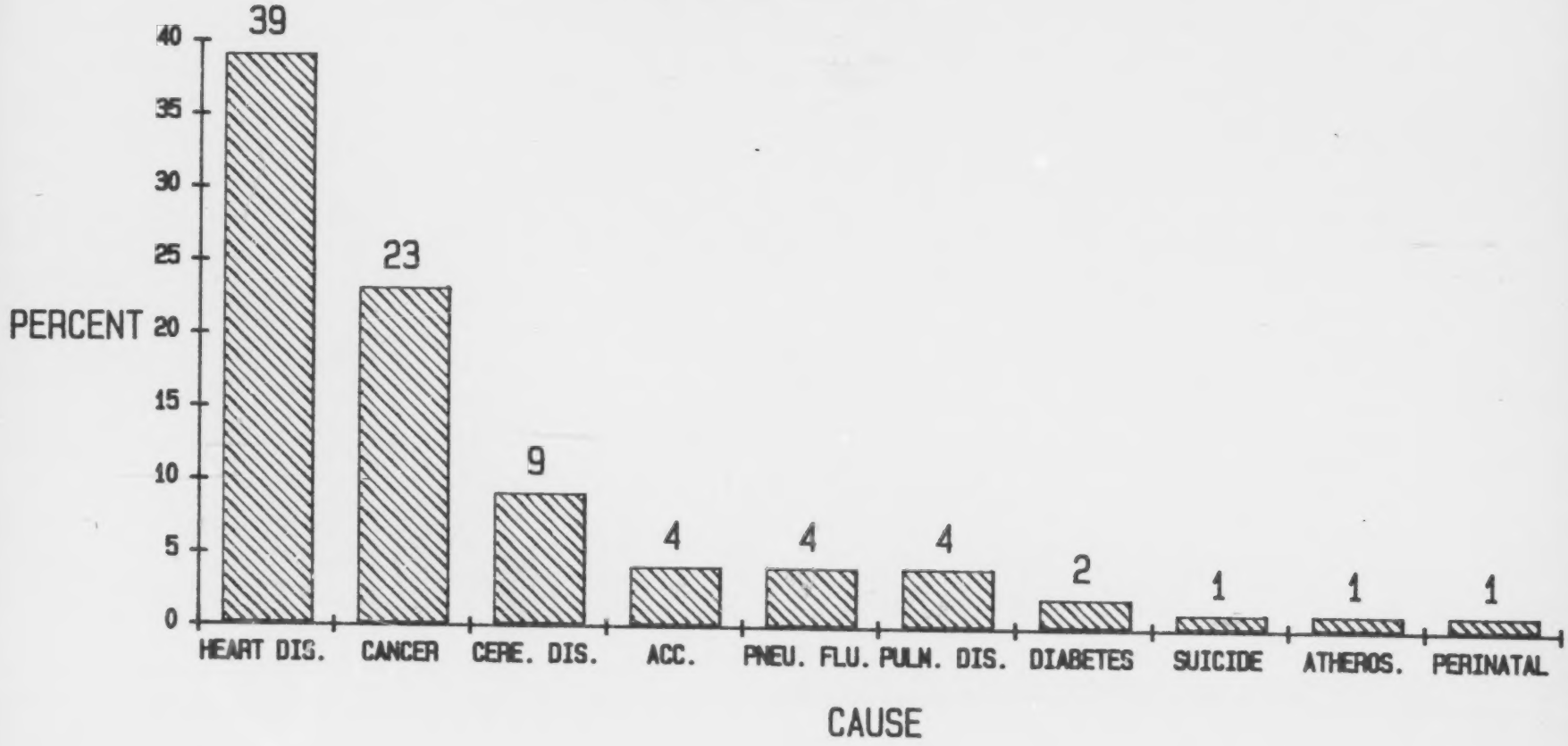


FIGURE 10B

TEN LEADING CAUSES OF DEATH
SOUTH DAKOTA, 1986
(PERCENT OF TOTAL AMERICAN INDIAN DEATHS)

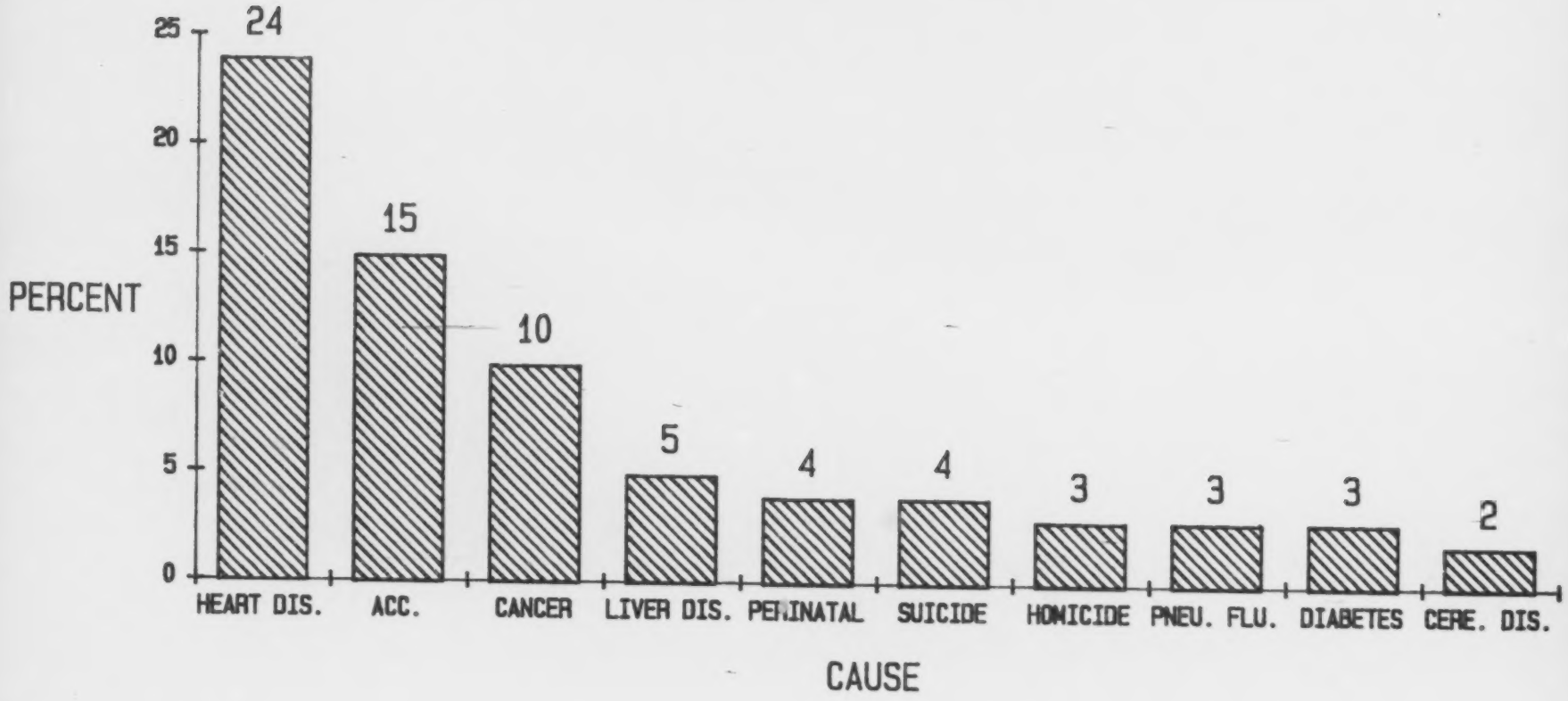
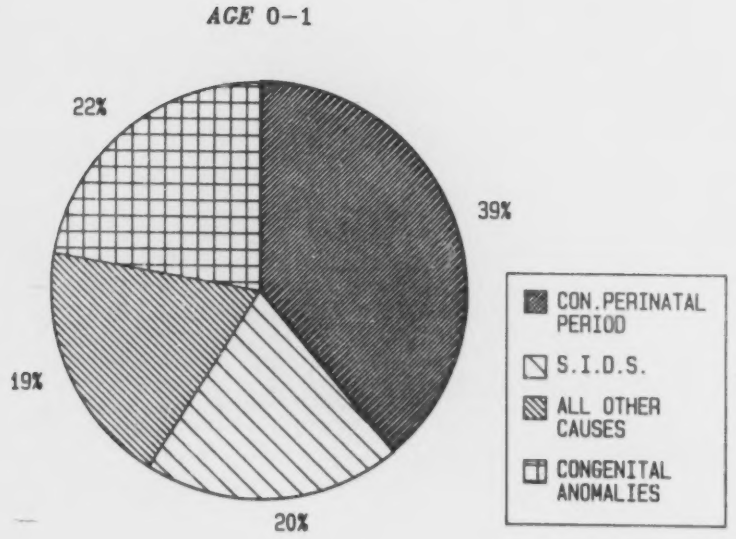


FIGURE 11

LEADING CAUSES OF DEATH BY AGE, 1986



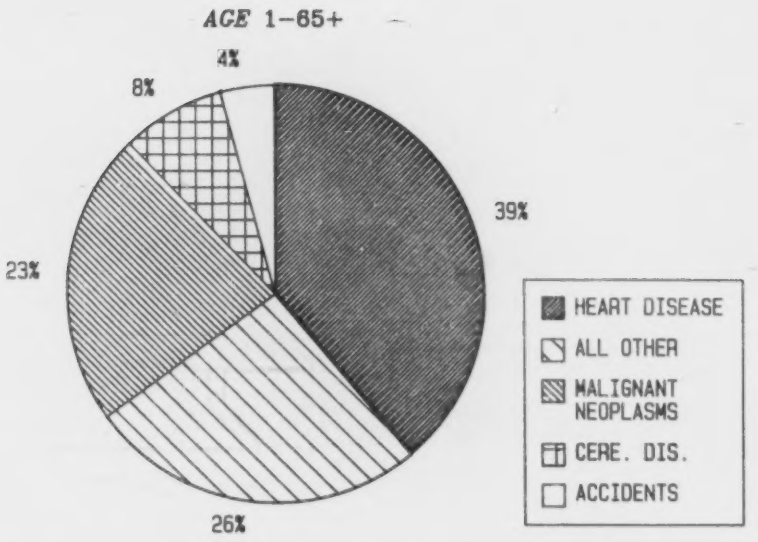


TABLE 25

RESIDENT DEATHS FROM SELECTED CAUSES BY RACE, SEX AND AGE GROUP, 1986

				AGE AT DEATH							
			TOTAL	UNDER 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 64	65+
			6583	155	38	26	122	139	145	982	4976
	RACE	SEX									
	WHITE	MALE	3317	62	10	10	69	71	64	562	2469
		FEMALE	2839	38	19	10	26	29	42	326	2349
	NON-WHITE	MALE	262	33	6	2	19	27	29	52	94
		FEMALE	165	22	3	4	8	12	10	42	64
CAUSE OF DEATH	RACE	SEX									
INFECTIOUS AND PARASITIC DISEASES 001-139	WHITE	MALE	28	-	-	-	-	-	-	5	23
		FEMALE	21	-	-	-	1	-	1	2	17
	NON-WHITE	MALE	9	2	1	-	-	1	-	3	2
		FEMALE	3	-	-	-	-	-	-	1	2
MALIGNANT NEOPLASMS INCLUDING NEOPLASMS OF LYMPHATIC & HEMATOPOIETIC TISSUE 140-208	WHITE	MALE	761	1	-	2	8	7	10	167	566
		FEMALE	644	-	1	1	4	10	16	160	452
	NON-WHITE	MALE	22	-	-	-	-	-	-	7	15
		FEMALE	23	-	-	-	-	-	2	7	14
BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE 210-239	WHITE	MALE	4	-	-	-	-	-	-	-	4
		FEMALE	6	-	-	-	-	-	-	1	5
DIABETES MELLITUS 250	WHITE	MALE	38	-	-	-	-	1	-	14	23
		FEMALE	59	-	-	-	-	1	-	7	51
	NON-WHITE	MALE	4	-	-	-	-	-	1	1	2
		FEMALE	7	-	-	-	-	-	-	3	4
NUTRITIONAL DEFICIENCIES 260-269	WHITE	MALE	2	-	-	-	-	-	-	-	2
		FEMALE	6	-	-	-	-	-	-	-	6
	NON-WHITE	MALE	1	-	-	-	-	-	-	-	1
		FEMALE	1	-	-	-	-	-	-	-	1
ANEMIAS 280-285	WHITE	MALE	6	-	-	-	-	-	-	-	6
		FEMALE	6	-	-	-	-	-	-	-	6
	NON-WHITE	FEMALE	1	-	-	-	-	-	-	-	1
MENINGITIS 320-322	WHITE	MALE	2	2	-	-	-	-	-	-	-
		FEMALE	3	-	1	-	-	-	-	-	2
DISEASES OF THE HEART 390-398,402, 404-429	WHITE	MALE	1312	2	1	-	-	6	17	229	1057
	WHITE	FEMALE	1081	-	1	-	-	2	7	70	1001
	NON-WHITE	MALE	68	-	1	-	-	3	4	23	37
		FEMALE	36	1	-	-	-	1	1	11	22

TABLE 25 (Cont'd)

RESIDENT DEATHS FROM SELECTED CAUSES BY RACE, SEX AND AGE GROUP, 1986

				AGE AT DEATH								
			TOTAL	UNDER 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 64	65+
HYPERTENSION WITH OR WITHOUT RENAL FAILURE 401,403	WHITE	MALE	9	-	-	-	-	1	-	2	6
		FEMALE	21	-	-	-	-	-	-	2	19
	NON-WHITE	FEMALE	1	-	-	-	-	-	-	-	1
CEREBROVASCULAR DISEASES 430-438	WHITE	MALE	227	1	-	-	-	2	-	18	206
		FEMALE	302	-	1	1	-	-	3	17	280
	NON-WHITE	MALE	4	-	-	-	-	-	-	1	3
		FEMALE	6	-	-	-	-	1	-	-	5
ATHEROSCLEROSIS 440	WHITE	MALE	33	-	-	-	-	-	-	4	29
		FEMALE	45	-	-	-	-	-	-	2	43
	NON-WHITE	MALE	1	-	-	-	-	-	-	-	1
		FEMALE	1	-	-	-	-	-	-	-	1
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES 441-448	WHITE	MALE	52	-	-	-	-	-	-	6	46
		FEMALE	27	-	-	-	-	-	-	4	23
	NON-WHITE	MALE	1	-	-	-	-	-	-	-	1
PNEUMONIA AND INFLUENZA 480-487	WHITE	MALE	132	-	1	-	-	2	2	10	117
		FEMALE	131	-	-	-	-	-	-	3	128
	NON-WHITE	MALE	11	-	-	-	-	-	1	2	8
		FEMALE	3	1	-	-	-	-	-	-	2
CHRONIC OBSTRUCTIVE PULMONARY DISEASES AND ALLIED CONDITIONS 490-496	WHITE	MALE	159	-	-	-	1	2	1	18	137
		FEMALE	61	-	1	1	-	-	1	7	51
	NON-WHITE	MALE	7	2	-	-	-	-	-	-	5
		FEMALE	2	-	-	-	1	-	-	1	-
ULCER OF STOMACH AND DUODENUM 531-533	WHITE	MALE	5	-	-	-	-	-	-	1	4
		FEMALE	13	-	-	-	-	-	-	4	9
	NON-WHITE	MALE	1	-	-	-	-	-	-	-	1
		FEMALE	2	-	-	-	-	-	-	-	2
APPENDICITIS 540-543	WHITE	MALE	1	-	-	-	-	-	-	-	1
HERNIA OF ABDOMINAL CAVITY AND INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA 550-553,560	WHITE	MALE	6	-	-	-	-	-	-	1	5
		FEMALE	17	-	-	-	-	-	-	-	17
CHRONIC LIVER DISEASE AND CIRRHOSIS 571	WHITE	MALE	23	-	-	-	-	1	3	9	10
		FEMALE	17	-	-	-	-	-	1	7	9
	NON-WHITE	MALE	10	-	-	-	-	3	2	2	3
		FEMALE	12	-	-	-	-	2	3	6	1

TABLE 25 (Cont'd)

RESIDENT DEATHS FROM SELECTED CAUSES BY RACE, SEX AND AGE GROUP, 1986

				AGE AT DEATH								
			TOTAL	UNDER 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 64	65+
CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER 574-575	WHITE	MALE	10	-	-	-	-	-	-	-	10
		FEMALE	6	-	-	-	-	-	-	-	6
	NON-WHITE	MALE	2	-	-	-	-	-	-	-	2
		FEMALE	1	-	-	-	-	-	-	1	-
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS 580-589	WHITE	MALE	14	-	-	-	-	-	-	-	14
		FEMALE	19	-	-	-	-	-	-	1	18
	NON-WHITE	FEMALE	2	-	-	-	-	-	-	2	-
INFECTIONS OF KIDNEY 590	WHITE	MALE	3	-	-	-	-	-	-	-	3
		FEMALE	2	-	-	-	-	-	-	-	2
HYPERPLASIA OF PROSTATE 600	WHITE	MALE	5	-	-	-	-	-	-	-	5
CONGENITAL ANOMALIES 740-759	WHITE	MALE	20	15	1	-	1	-	1	-	2
		FEMALE	22	12	3	-	-	-	3	2	2
	NON-WHITE	MALE	2	2	-	-	-	-	-	-	-
		FEMALE	7	6	1	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD 760-779	WHITE	MALE	27	26	1	-	-	-	-	-	-
		FEMALE	16	15	1	-	-	-	-	-	-
	NON-WHITE	MALE	12	12	-	-	-	-	-	-	-
		FEMALE	7	7	-	-	-	-	-	-	-
SYMPTOMS, SIGNS, AND ILL DEFINED CONDITIONS 780-799	WHITE	MALE	28	11	1	-	-	-	2	4	10
		FEMALE	21	4	-	-	-	3	-	-	14
	NON-WHITE	MALE	22	13	-	-	2	1	2	1	3
		FEMALE	6	6	-	-	-	-	-	-	-
ALL OTHER DISEASES	WHITE	MALE	169	3	-	1	2	4	3	29	127
		FEMALE	184	6	2	1	3	2	3	20	147
	NON-WHITE	MALE	20	2	-	-	2	1	4	5	6
		FEMALE	17	-	-	-	-	-	2	8	7
ACCIDENTS AND ADVERSE EFFECTS E800-E949	WHITE	MALE	157	1	5	6	34	30	13	30	38
		FEMALE	83	1	6	5	12	5	4	13	37
	NON-WHITE	MALE	41	-	4	1	5	13	9	5	4
		FEMALE	19	1	2	4	2	5	2	2	1

TABLE 25 (Cont'd)

RESIDENT DEATHS FROM SELECTED CAUSES BY RACE, SEX AND AGE GROUP, 1986

				AGE AT DEATH							
			TOTAL	UNDER 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 64	65+
SUICIDE E950-E959	WHITE	MALE	74	-	-	-	21	11	12	13	17
		FEMALE	13	-	-	-	3	3	2	3	2
	NON-WHITE	MALE	14	-	-	1	8	2	3	-	-
		FEMALE	2	-	-	-	-	2	-	-	-
HOMICIDE AND LEGAL INTERVENTION E960-E978	WHITE	MALE	8	-	-	1	2	4	-	1	-
		FEMALE	12	-	2	1	3	2	1	1	2
	NON-WHITE	MALE	7	-	-	-	2	2	1	2	-
		FEMALE	6	-	-	-	5	1	-	-	-
ALL OTHER EXTERNAL CAUSES E980-E999	WHITE	MALE	2	-	-	-	-	-	-	1	1
		FEMALE	1	-	-	-	-	1	-	-	-
	NON-WHITE	MALE	3	-	-	-	-	1	2	-	-

TABLE 26

DEATHS FROM MALIGNANT NEOPLASMS BY COUNTY OF RESIDENCE, 1986

RESIDENT COUNTY	TOTAL		SITE OF MALIGNANT NEOPLASM													
			LIP, ORAL CAVITY, PHARYNX (140-149)		DIGESTIVE ORGANS AND PERITONEUM (150-159)		RESPIRATORY & INTRATHORACIC ORGANS (160-165)		BONE, CONNECTIVE TISSUE, SKIN, BREAST (170-175)		GENITOURINARY ORGANS (179-189)		OTHER AND SPECIFIED SITES (190-199)		LYMPHATIC & HAEMATOIETIC TISSUE (200-208)	
	NUMBER	RATE*	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
SOUTH DAKOTA	1,450	205	23	3	375	53	363	51	172	24	245	35	107	15	165	23
AURORA	12	360	-	-	3	90	3	90	3	90	-	-	-	-	3	90
BEADLE	39	213	1	5	9	49	12	66	4	22	6	33	2	11	5	27
BENNETT	4	119	-	-	-	-	2	59	-	-	1	30	1	30	-	-
BON HOMME	21	310	1	15	4	59	6	89	1	15	3	44	4	59	2	30
BROOKINGS	37	150	-	-	19	77	4	16	5	20	6	24	1	4	2	8
BROWN	63	172	-	-	19	52	11	30	9	25	10	27	8	22	6	16
BRULE	15	273	-	-	4	73	3	55	1	18	2	36	3	55	2	36
BUFFALO	1	61	-	-	-	-	-	-	-	-	1	61	-	-	-	-
BUTTE	21	255	-	-	3	36	10	121	1	12	2	24	3	36	2	24
CAMPBELL	6	271	-	-	2	90	2	90	1	45	-	-	-	-	1	45
CHARLES MIX	26	277	-	-	5	53	11	117	-	-	8	85	1	11	1	11
CLARK	18	373	1	21	4	83	5	104	1	21	5	104	-	-	2	41
CLAY	13	102	-	-	1	8	4	31	2	16	-	-	2	16	4	31
CODINGTON	29	174	1	6	8	36	8	36	8	36	8	36	3	13	3	13
CORSON	8	159	-	-	3	60	-	-	-	-	3	60	1	20	1	20
CUSTER	5	72	1	14	1	14	-	-	-	-	1	14	-	-	2	29
DAVISON	51	292	-	-	20	115	12	69	8	46	7	40	1	6	3	17
DAY	24	305	-	-	6	76	10	127	3	38	-	-	3	38	2	25
DEUEL	8	159	-	-	2	40	-	-	-	-	3	59	-	-	3	59
DEWEY	4	73	-	-	1	18	1	[redacted]	-	-	1	18	1	18	-	-
DOUGLAS	13	328	-	-	2	50	1	[redacted]	2	50	4	101	-	-	4	101
EDMUNDS	13	262	2	40	3	60	1	[redacted]	2	40	3	60	1	20	-	-
FALL RIVER	31	400	-	-	8	103	8	103	1	13	6	77	7	90	1	13
FAULK	7	227	-	-	4	130	2	65	-	-	-	-	1	32	-	-
GRANT	25	280	-	-	6	67	10	112	3	34	-	-	-	-	6	67
GREGORY	16	279	-	-	7	122	3	52	1	17	1	17	1	17	3	52
HAAKON	6	215	-	-	1	36	4	143	-	-	1	36	-	-	-	-
HAMLIN	11	210	-	-	1	19	3	57	4	76	3	57	-	-	-	-
HAND	10	215	-	-	1	21	3	64	2	43	3	64	-	-	1	21
HANSON	3	91	-	-	-	-	2	61	-	-	-	-	1	30	-	-
HARDING	1	56	-	-	-	-	1	56	-	-	-	-	-	-	-	-
HUGHES	39	262	-	-	8	54	10	67	3	20	8	54	7	47	3	20
HUTCHINSON	19	220	-	-	3	35	3	35	2	23	5	58	2	23	4	46
HYDE	4	209	-	-	-	-	-	-	1	52	1	52	1	52	1	52
JACKSON	8	238	-	-	4	119	4	119	-	-	-	-	-	-	-	-
JERAULD	9	321	-	-	5	178	-	-	-	-	1	36	-	-	3	107
JONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KINGSBURY	19	299	-	-	7	110	5	79	1	16	2	32	1	16	3	47
LAKE	28	259	-	-	5	46	8	74	3	28	5	46	3	28	4	37
LAWRENCE	53	273	1	5	6	31	16	82	7	36	10	51	3	15	10	51
LINCOLN	33	230	1	7	10	70	6	42	6	42	6	42	1	7	3	21
LYMAN	6	161	-	-	1	27	4	108	-	-	-	-	-	-	1	27
MCCOOK	21	344	-	-	5	82	3	49	4	65	2	33	1	16	6	98
MCPHERSON	9	247	-	-	3	82	1	27	1	27	1	27	2	55	1	27
MARSHALL	15	298	-	-	2	40	3	60	1	20	2	40	2	40	5	99
MEADE	30	128	-	-	10	43	11	47	1	4	3	13	-	-	5	21
MELLETTE	2	87	1	44	1	44	-	-	-	-	-	-	-	-	-	-
MINER	7	202	-	-	1	29	1	29	3	87	1	29	-	-	1	29
MINNEHAHA	211	172	5	4	60	49	55	45	27	22	36	29	9	7	19	15
MOODY	20	298	-	-	7	104	6	89	4	60	2	30	1	15	-	-
PENNINGTON	130	169	3	4	24	31	42	55	17	22	24	31	7	9	13	17
PERKINS	14	302	-	-	-	-	3	65	-	-	4	86	4	86	3	65
POTTER	9	245	-	-	3	82	1	27	1	27	3	82	1	27	-	-
ROBERTS	20	182	-	-	7	64	2	18	2	18	8	73	1	9	-	-
SANBORN	9	297	-	-	4	132	1	33	-	-	3	99	1	33	-	-
SHANNON	6	47	-	-	2	16	-	-	1	8	1	8	1	8	1	8
SPINK	21	235	-	-	5	56	7	78	3	34	3	34	1	11	2	22
STANLEY	5	187	-	-	2	75	-	-	-	-	2	75	-	-	1	37
SULLY	2	104	-	-	2	104	-	-	-	-	-	-	-	-	-	-
TODD	10	146	-	-	1	15	4	58	2	29	2	29	-	-	1	15
TRIPP	16	222	-	-	4	56	-	-	4	56	3	42	4	56	1	14
TURNER	38	437	1	12	9	104	6	69	6	69	6	69	1	12	9	104
UNION	29	277	1	10	9	86	3	29	4	38	6	57	3	29	3	29
WALWORTH	18	266	1	15	8	119	5	74	1	15	2	30	1	15	-	-
YANKTON	37	197	2	11	10	53	8	43	6	32	5	27	3	16	3	16
ZIEBACH	2	79	-	-	-	-	1	40	-	-	-	-	1	40	-	-

*RATE PER 100,000 POPULATION.

TABLE 27

DEATHS FROM SELECTED EXTERNAL CAUSES BY RACE AND SEX, 1986*

CAUSE OF DEATH	TOTAL	TOTAL				WHITE				INDIAN				OTHER			
		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	TOTAL	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
SOUTH DAKOTA	444	299	67.3	145	32.7	239	67.1	117	32.9	60	69.0	27	31.0	0	0	1	100.0
MOTOR VEHICLE	135	86	63.7	49	36.3	68	50.4	36	26.7	18	13.3	12	8.9	-	-	1	0.7
MOTOR VEHICLE NON-TRAFFIC	8	6	75.0	2	25.0	5	62.5	2	25.0	1	12.5	-	-	-	-	-	-
OTHER TRANSP.	11	11	100	-	-	11	100	-	-	-	-	-	-	-	-	-	-
POISON	12	8	66.7	4	33.3	4	33.3	3	25.0	4	33.3	1	8.3	-	-	-	-
FALLS	47	20	42.6	27	57.4	19	40.4	26	55.3	1	2.1	1	2.1	-	-	-	-
FIRES	14	5	35.7	9	64.3	3	21.4	4	28.6	2	14.3	5	35.7	-	-	-	-
DROWNING	14	12	85.7	2	14.3	10	71.4	2	14.3	2	14.3	-	-	-	-	-	-
FIREARMS	3	3	100	-	-	2	66.7	-	-	1	33.3	-	-	-	-	-	-
ALL OTHER ACCIDENT	58	42	72.4	16	27.6	34	58.6	15	25.9	8	13.8	1	1.7	-	-	-	-
SUICIDES	105	88	83.8	17	16.2	74	70.5	15	14.3	14	13.3	2	1.9	-	-	-	-
HOMICIDE & LEGAL INTERV.	31	13	41.9	18	58.1	7	22.6	13	41.9	6	19.4	5	16.1	-	-	-	-
ACCIDENT OR SELF INFLICTED	6	5	83.3	1	16.7	2	33.3	1	16.7	3	50.0	-	-	-	-	-	-

*INCLUDES DEATHS FROM INJURIES THAT OCCURRED IN SOUTH DAKOTA ONLY.

FIGURE 12

ACCIDENTAL AND VIOLENT DEATHS RESULTING FROM INJURY IN SOUTH DAKOTA, BY CAUSE, 1986

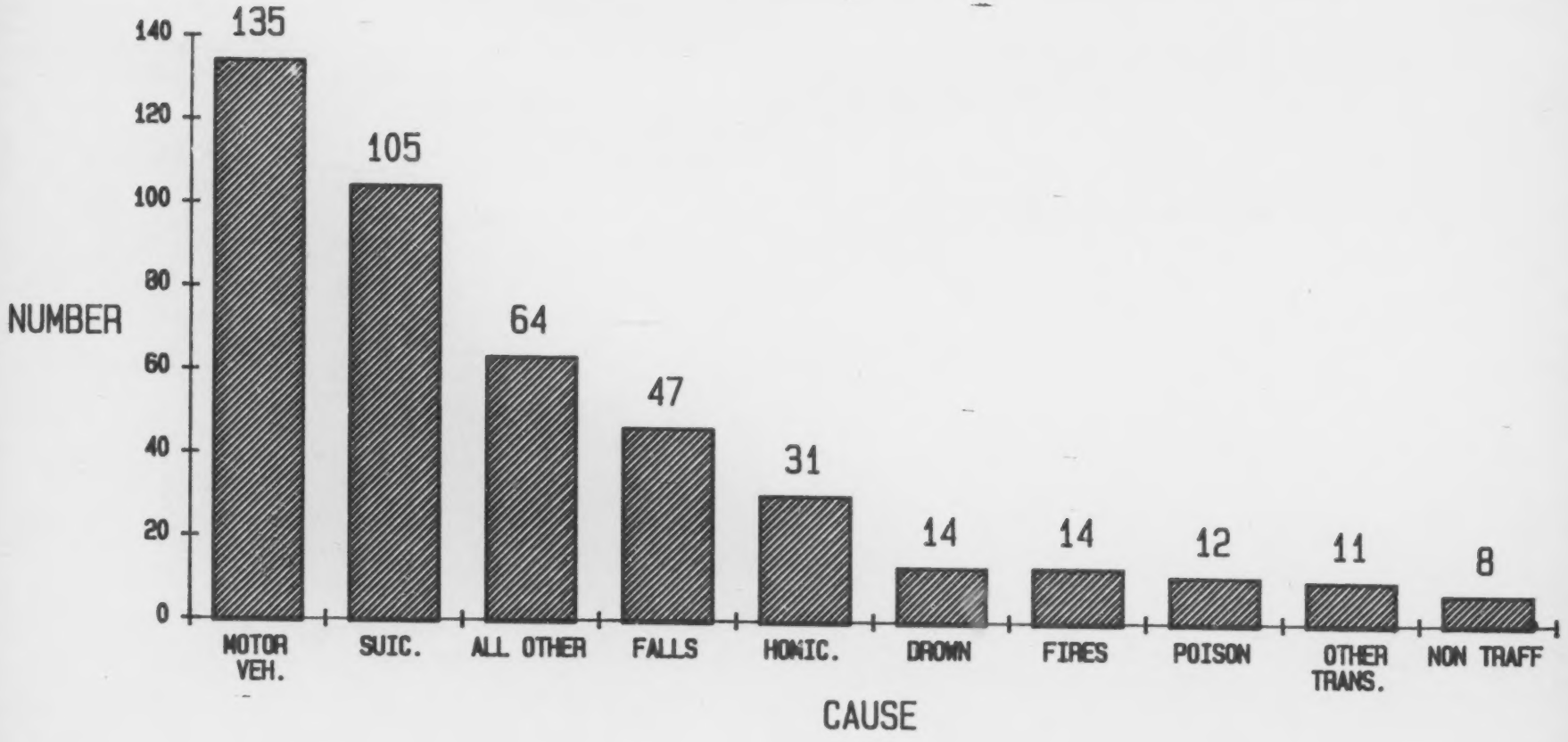


TABLE 28

EXTERNAL CAUSE OF DEATH BY COUNTY OF INJURY, 1986

	TOTAL	MOTOR VEHICLE	MOTOR VEHICLE NON-TRAFFIC	OTHER TRANSP.	POISON	FALLS	FIRES	DROWNING	FIREARMS	ALL OTHER ACCIDENT	SUICIDES	HOMICIDE & LEGAL INTERV.	ACCIDENT OR SELF INFLICTED
SOUTH DAKOTA	444	135	8	11	12	47	14	14	9	58	105	31	6
AURORA	3	2	-	-	-	-	-	-	-	-	1	-	-
BEADLE	12	1	1	-	1	1	-	1	-	-	6	1	-
BENNETT	3	1	-	-	-	-	-	-	-	-	1	1	-
BON HOMME	3	1	-	-	-	-	-	-	-	-	2	-	-
BROOKINGS	6	2	-	-	-	1	-	-	1	1	1	-	-
BROWN	8	1	-	-	-	2	2	-	-	-	3	-	-
BRULE	2	2	-	-	-	-	-	-	-	-	-	-	-
BUFFALO	1	-	-	-	-	-	-	-	-	-	1	-	-
BUTTE	9	5	-	-	-	1	-	1	-	2	-	-	-
CAMPBELL	1	-	-	-	-	-	-	-	-	-	1	-	-
CHARLES MIX	7	2	-	1	2	-	-	-	-	1	-	1	-
CLARK	2	-	-	-	-	-	-	-	-	-	2	-	-
CLAY	5	1	-	-	-	2	-	-	-	1	-	1	-
CODINGTON	8	1	-	-	-	2	-	-	-	-	4	-	-
CORSON	12	4	-	-	-	1	4	1	-	1	1	-	-
CUSTER	5	2	-	-	-	1	-	1	-	1	-	-	-
DAVISON	8	2	-	-	-	2	-	1	-	-	3	-	-
DAY	2	-	-	-	-	-	1	-	-	1	1	-	-
DEUEL	8	4	1	-	-	-	-	1	-	1	1	-	-
DEWEY	5	1	-	-	2	-	-	-	-	-	1	1	-
EDMUNDS	3	-	-	-	-	-	-	1	-	-	1	-	1
FALL RIVER	7	3	-	-	-	1	-	1	-	1	1	-	-
FAULK	1	-	-	-	-	1	-	-	-	-	-	-	-
GRANT	5	2	-	-	-	1	-	-	-	1	1	-	-
GREGORY	4	-	-	-	-	-	-	-	-	2	1	1	-
HAAKON	1	-	-	-	-	-	-	1	-	-	-	-	-
HAMLIN	3	2	-	-	-	1	-	-	-	-	-	-	-
HAND	2	1	-	-	-	-	-	-	-	1	-	-	-
HANSON	2	-	-	-	-	-	-	-	-	-	2	-	-
HARDING	1	1	-	-	-	-	-	-	-	-	-	-	-
HUGHES	6	2	-	-	-	1	-	-	-	-	2	-	1
HUTCHINSON	8	3	-	-	-	-	-	-	-	4	1	-	-
JACKSON	5	3	-	-	-	-	-	-	-	1	-	1	-
JERAULD	2	1	-	-	-	-	-	-	-	1	-	-	-
JONES	1	-	-	-	-	-	-	-	-	-	1	-	-
KINGSBURY	4	1	-	1	-	-	-	-	-	1	1	-	-
LAKE	6	1	-	1	-	1	-	-	-	1	1	-	-
LAWRENCE	22	7	-	-	-	4	-	1	-	2	8	1	-
LINCOLN	3	1	-	-	-	1	-	-	-	1	-	-	-
LYMAN	3	2	-	-	-	-	-	-	-	-	1	-	-
MCCOOK	1	-	-	-	-	-	-	-	-	-	1	1	-
MCPHERSON	2	1	-	-	-	-	-	-	-	-	1	-	-
MARSHALL	4	2	-	-	-	-	1	-	-	-	1	-	-
MEADE	19	6	-	6	1	-	-	-	1	2	2	1	-
MELLETTE	2	-	-	1	-	-	-	-	-	-	1	-	-
MINER	3	1	-	-	-	-	-	-	-	2	-	-	-
MINNEHAHA	46	11	-	-	2	8	2	1	-	3	14	4	1
MOODY	5	3	-	-	-	1	-	-	-	-	1	-	-
PENNINGTON	48	22	1	1	1	4	-	2	-	5	8	4	-
PERKINS	3	1	-	-	-	2	-	-	-	-	-	-	-
POTTER	2	-	-	-	-	1	-	-	-	1	-	-	-
ROBERTS	11	4	-	-	-	1	1	-	-	-	5	-	-
SANBORN	2	2	-	-	-	-	-	-	-	-	-	-	-
SHANNON	15	4	-	-	-	1	2	-	-	2	2	3	1
SPINK	6	1	-	-	-	1	1	-	-	1	1	1	-
SULLY	1	1	-	-	-	-	-	-	-	-	-	-	-
TODD	17	6	1	-	-	1	-	2	-	1	3	2	1
TRIPP	11	2	2	-	-	-	-	-	-	4	3	-	-
TURNER	1	-	-	-	-	-	-	-	-	1	-	-	-
UNION	11	1	-	-	-	-	-	-	-	-	5	5	-
WALWORTH	5	1	-	-	1	2	-	-	-	-	-	1	-
YANKTON	11	3	1	-	1	-	-	-	-	-	5	-	1
ZIEBACH	2	1	-	-	-	-	-	-	-	-	1	-	-
UNKNOWN	17	-	1	-	1	1	-	-	1	10	2	1	-

Induced Abortions

INDUCED ABORTIONS
AN OVERVIEW: 1986

Total Induced Abortions in S.D. (Occurrences)	1,364
Total Induced Abortions in S.D. (Residents)	1,077

South Dakota began collecting abortion data in 1973, however, the first full year of data collection occurred in 1974. Figures for 1986 indicate that 1,364 induced abortions were performed in South Dakota, 13.5 percent less than the 1985 figure of 1,577. The percentage of those abortions that were obtained by South Dakota residents was 79.0 percent in 1986, higher than the 75.8 percent figure for 1985.

Non-residents accounted for 21.0 percent of abortions occurring in South Dakota during 1986. Women from Iowa, Wyoming, Nebraska and Minnesota accounted for 65, 63, 50 and 40 abortions respectively. These four states accounted for 76.0 percent of non-resident abortions occurring in South Dakota during 1986.

Of the 1,364 women obtaining abortions: 90.8 percent were white and 7.1 percent American Indian. Women aged 20 obtained 111 or 8.1 percent of all induced abortions occurring in South Dakota followed closely by women aged 19 with 110, also 8.1 percent. The age group 17-23 obtained 644 or 47.2 percent of the abortions occurring in South Dakota during 1986.

The majority of women (78.4 percent) obtaining induced abortions in 1986 had no previous abortions, whereas 21.6 percent had one or more previous abortions. Of the women obtaining abortions, 58.7 percent had no living children at the time of the abortion.

TABLE 29

RESIDENT INDUCED ABORTIONS BY COUNTY OF RESIDENCE AND AGE GROUP, 1986

	TOTAL	AGE OF PATIENT								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	NOT STATED
SOUTH DAKOTA	1077	10	306	347	207	125	58	19	2	3
AURORA	1	-	1	-	-	-	-	-	-	-
BEADLE	22	-	7	7	4	2	2	-	-	-
BENNETT	3	-	-	2	-	1	-	-	-	-
BON HOMME	1	-	-	-	-	1	-	-	-	-
BROOKINGS	62	-	19	31	11	-	-	-	-	-
BROWN	27	-	11	7	2	7	-	-	1	-
BRULE	6	1	2	1	2	-	-	-	-	-
BUFFALO	3	-	-	1	1	1	-	-	-	-
BUTTE	14	1	6	1	4	1	1	-	-	-
CHARLES MIX	11	-	7	3	-	1	-	-	-	-
CLARK	4	-	2	1	-	1	-	-	-	-
CLAY	21	-	4	9	2	4	2	-	-	-
CODINGTON	21	-	7	6	3	3	-	2	-	-
CORSON	1	-	1	-	-	-	-	-	-	-
CUSTER	7	1	2	1	1	2	-	-	-	-
DAVISON	37	-	11	12	5	5	3	1	-	-
DAY	3	-	2	1	-	-	-	-	-	-
DEUEL	1	-	-	1	-	-	-	-	-	-
DEWEY	10	-	1	1	5	2	1	-	-	-
DOUGLAS	1	-	1	-	-	-	-	-	-	-
EDMUNDS	1	-	-	1	-	-	-	-	-	-
FALL RIVER	8	-	2	3	1	2	-	-	-	-
GRANT	5	-	4	1	-	-	-	-	-	-
GREGORY	7	-	2	4	-	1	-	-	-	-
HAAKON	3	-	2	1	-	-	-	-	-	-
HAMLIN	4	-	1	1	-	1	1	-	-	-
HAND	5	-	3	-	1	1	-	-	-	-
HANSON	4	-	-	1	2	1	-	-	-	-
HARDING	3	-	-	-	1	-	2	-	-	-
HUGHES	31	-	9	10	5	4	1	2	-	-
HUTCHINSON	4	-	-	-	3	-	1	-	-	-
HYDE	1	-	-	-	1	-	-	-	-	-
JACKSON	8	-	2	3	3	-	-	-	-	-
JERAULD	2	-	1	-	1	-	-	-	-	-
JONES	3	-	2	1	-	-	-	-	-	-
KINGSBURY	3	-	1	-	2	-	-	-	-	-
LAKE	19	-	7	9	1	2	-	-	-	-
LAWRENCE	35	2	6	11	9	6	1	-	-	-
LINCOLN	17	-	5	3	3	4	1	1	-	-
LYMAN	4	-	2	1	-	-	-	1	-	-
MCCOOK	4	-	1	1	-	-	1	1	-	-
MEADE	32	-	7	7	11	5	1	1	-	-
MELLETTE	3	-	-	1	2	-	-	-	-	-
MINER	1	-	-	1	-	-	-	-	-	-
MINNEHAHA	271	2	66	90	59	36	12	5	1	-
MOODY	4	-	-	2	1	-	1	-	-	-
PENNINGTON	213	3	59	73	40	20	16	2	-	-
PERKINS	5	-	1	3	-	-	1	-	-	-
POTTER	2	-	1	1	-	-	-	-	-	-
ROBERTS	1	-	-	-	1	-	-	-	-	-
SANBORN	2	-	2	-	-	-	-	-	-	-
SHANNON	12	-	-	3	4	2	3	-	-	-
SPINK	5	-	2	2	-	-	1	-	-	-
STANLEY	1	-	-	-	1	-	-	-	-	-
SULLY	1	-	-	-	1	-	-	-	-	-
TODD	18	-	6	5	1	4	1	1	-	-
TRIPP	7	-	4	2	-	-	1	-	-	-
TURNER	4	-	3	1	-	-	-	-	-	-
UNION	7	-	3	1	-	3	-	-	-	-
WALWORTH	6	-	-	2	4	-	-	-	-	-
YANKTON	24	-	8	6	3	2	3	2	-	-
ZIEBACH	2	-	1	1	-	-	-	-	-	-
UNKNOWN	29	-	9	10	6	-	1	-	-	3

TABLE 30

INDUCED ABORTIONS IN SOUTH DAKOTA BY PATIENT'S STATE OF RESIDENCE AND AGE, 1986

	TOTAL	AGE OF PATIENT								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	NOT STATED
	1364	12	397	441	262	154	70	22	2	4
ARIZONA	2	-	-	2	-	-	-	-	-	-
CALIFORNIA	1	-	1	-	-	-	-	-	-	-
IDAHO	1	-	-	1	-	-	-	-	-	-
ILLINOIS	2	-	1	1	-	-	-	-	-	-
IOWA	65	1	24	11	14	11	3	1	-	-
MICHIGAN	2	-	-	1	1	-	-	-	-	-
MINNESOTA	40	1	16	13	3	5	1	1	-	-
MONTANA	14	-	7	1	4	2	-	-	-	-
NEBRASKA	50	-	16	22	4	4	3	-	-	1
NEVADA	1	-	-	1	-	-	-	-	-	-
NEW HAMPSHIRE	1	-	-	1	-	-	-	-	-	-
NEW YORK	2	-	1	1	-	-	-	-	-	-
NORTH CAROLINA	1	-	-	-	1	-	-	-	-	-
NORTH DAKOTA	14	-	4	5	3	-	1	1	-	-
OHIO	1	-	-	1	-	-	-	-	-	-
PENNSYLVANIA	1	-	1	-	-	-	-	-	-	-
SOUTH DAKOTA	1077	10	306	347	207	125	58	19	2	3
TEXAS	2	-	-	2	-	-	-	-	-	-
WYOMING	63	-	12	22	19	7	3	-	-	-
CANADA	21	-	6	8	6	-	1	-	-	-
NOT STATED	3	-	2	1	-	-	-	-	-	-

TABLE 31

INDUCED ABORTIONS OCCURRING IN SOUTH DAKOTA
BY PATIENT'S AGE AND RACE, 1986

	TOTAL	PATIENT'S RACE				
		WHITE	INDIAN	BLACK	OTHER	NOT STATED
SOUTH DAKOTA	1364	1238	97	15	11	3
13	3	3	-	-	-	-
14	9	9	-	-	-	-
15	30	27	2	1	-	-
16	79	74	5	-	-	-
17	79	75	4	-	-	-
18	99	91	4	2	2	-
19	110	104	5	-	1	-
20	111	102	8	1	-	-
21	91	83	7	1	-	-
22	85	78	6	1	-	-
23	69	63	4	-	2	-
24	85	72	9	4	-	-
25	72	61	9	1	1	-
26	63	58	5	-	-	-
27	50	47	3	-	-	-
28	38	35	2	-	1	-
29	39	34	3	2	-	-
30	35	32	-	2	1	-
31	28	23	5	-	-	-
32	34	30	3	-	1	-
33	39	36	2	-	1	-
34	18	17	1	-	-	-
35	15	15	-	-	-	-
36	14	9	4	-	1	-
37	19	17	2	-	-	-
38	11	11	-	-	-	-
39	11	10	1	-	-	-
40	4	4	-	-	-	-
41	7	7	-	-	-	-
42	4	3	1	-	-	-
43	3	2	1	-	-	-
44	4	3	1	-	-	-
45	1	1	-	-	-	-
46	1	1	-	-	-	-
NOT STATED	4	1	-	-	-	3

Marriages and Divorces

MARRIAGE AND DIVORCE
AN OVERVIEW: 1985

Total Marriages	7,386
S.D. Marriage Rate per 1,000 Population	10.4
U.S. Marriage Rate per 1,000 Population (Provisional)	10.0
Median Age of Groom	26
Median Age of Bride	24
Total Divorces and Annulments	2,583
S.D. Divorce Rate per 1,000 Population	3.6
U.S. Divorce Rate per 1,000 Population (Provisional)	4.8
Median Length of Marriage at Divorce (Years)	6

Marriages

In 1986, 7,386 marriages were performed in South Dakota (see Tables 32 and 33). This figure is 407 or 5.2 percent less than marriages performed in 1985. The marriage rate was down slightly in 1986, dropping from 11.0 in 1985 to 10.4 per 1,000 population. Again, South Dakota's marriage rate remained above the national rate of 10.0, a trend that has not varied since 1960.

The median ages for brides and grooms were 24 and 26 years respectively. Of those married in South Dakota, 65.8 percent consisted of brides and grooms both residents of the state. In addition, 25.5 percent of marriages performed had both non-resident brides and grooms.

Divorces

The number of couples seeking divorces or annulments rose from 2,566 in 1985 to 2,583 in 1986. This represents a 0.7 percent increase in the number of divorces or annulments reported during 1985 (see Table 34).

The rate of 3.5 marital terminations per 1,000 population has been constant since 1984. These rates have been consistently lower than the National rate of 4.8 in 1986.

The median duration of a marriage at the time of divorce or annulment was 6 years with the largest number of marital terminations occurring within the second year of marriage. The number of divorces with children involved increased to 1,545 in 1986, a 1.1 percent increase from 1985.

TABLE 32

COUNTY OF MARRIAGE AND NUMBER OF LICENSES ISSUED, 1986

	NUMBER OF LICENSES ISSUED	NUMBER OF MARRIAGES PERFORMED
SOUTH DAKOTA	7386	7386
AURORA	21	24
BEADLE	204	184
BENNETT	41	39
BON HOMME	35	49
BROOKINGS	227	182
BROWN	372	331
BRULE	64	60
BUFFALO	3	2
BUTTE	114	96
CAMPBELL	21	21
CHARLES MIX	63	75
CLARK	31	36
CLAY	123	115
CODINGTON	400	388
CORSON	36	39
CUSTER	91	99
DAVISON	158	148
DAY	69	78
DEUEL	33	43
DEWEY	26	33
DOUGLAS	21	27
EDMUNDS	23	35
FALL RIVER	103	102
FAULK	14	20
GRANT	134	122
GREGORY	56	57
HAAKON	24	22
HAMLIN	15	25
HAND	25	36
HANSON	9	14
HARDING	10	10
HUGHES	177	163
HUTCHINSON	32	64
HYDE	11	14
JACKSON	19	21
JERAULD	12	19
JONES	13	11
KINGSBURY	22	41
LAKE	70	74
LAWRENCE	209	235
LINCOLN	62	93
LYMAN	13	21
MCCOOK	37	45
MCPHERSON	13	23
MARSHALL	30	43
MEADE	137	160
MELLETTE	36	33
MINER	19	14
MINNEHAHA	1463	1347
MOODY	46	49
PENNINGTON	1199	1166
PERKINS	35	38
POTTER	20	29
ROBERTS	190	201
SANBORN	6	7
SHANNON	5	3
SPINK	60	65
STANLEY	20	19
SULLY	11	7
TODD	19	16
TRIPP	43	59
TURNER	42	56
UNION	429	440
WALWORTH	53	57
YANKTON	246	227
ZIEBACH	21	14

TABLE 33

MARRIAGES BY COUNTY OF OCCURRENCE BY RESIDENCE STATUS OF BRIDE AND GROOM, 1986

	TOTAL	BRIDE OUT OF STATE RESIDENCE		BRIDE SOUTH DAKOTA RESIDENCE	
		GROOM OUT OF STATE RESIDENCE	GROOM SOUTH DAKOTA RESIDENCE	GROOM OUT OF STATE RESIDENCE	GROOM SOUTH DAKOTA RESIDENCE
SOUTH DAKOTA	7386	1885	142	500	4859
AURORA	24	3	-	1	20
BEADLE	184	13	6	14	151
BENNETT	39	8	1	3	27
BON HOMME	49	3	3	4	39
BROOKINGS	182	32	3	13	134
BROWN	331	48	6	24	253
BRULE	60	4	2	3	51
BUFFALO	2	-	1	1	-
BUTTE	96	19	2	9	66
CAMPBELL	21	5	3	3	10
CHARLES MIX	75	15	-	4	56
CLARK	36	3	-	1	32
CLAY	115	30	4	6	75
CODINGTON	388	186	4	13	185
CORSON	39	5	-	3	31
CUSTER	99	36	2	5	56
DAVISON	148	12	5	5	126
DAY	78	11	-	7	60
DEUEL	43	17	-	1	25
DEWEY	33	2	-	1	30
DOUGLAS	27	2	-	2	23
EDMUNDS	35	3	-	2	30
FALL RIVER	102	38	1	4	59
FAULK	20	1	1	2	16
GRANT	122	74	2	3	43
GREGORY	57	10	2	4	41
HAAKON	22	2	-	2	18
HAMLIN	25	2	-	1	22
HAND	36	1	1	3	31
HANSON	14	-	-	1	13
HARDING	10	3	-	3	4
HUGHES	163	16	2	9	136
HUTCHINSON	64	8	-	3	53
HYDE	14	1	1	1	11
JACKSON	21	2	-	1	18
JERAULD	19	2	-	-	17
JONES	11	1	1	1	8
KINGSBURY	41	1	-	5	35
LAKE	74	9	-	3	62
LAWRENCE	235	68	5	15	147
LINCOLN	93	9	2	7	75
LYMAN	21	4	-	1	16
MCCOOK	45	1	-	-	44
MCPHERSON	23	3	-	6	14
MARSHALL	43	9	-	2	32
MEADE	160	26	2	12	120
MELLETTE	33	3	-	-	30
MINER	14	2	1	-	11
MINNEHAHA	1347	266	19	81	981
MOODY	49	12	-	1	36
PENNINGTON	1166	234	28	145	759
PERKINS	38	5	2	4	27
POTTER	29	4	-	2	23
ROBERTS	201	130	3	10	58
SANBORN	7	1	-	1	5
SHANNON	3	-	1	1	1
SPINK	65	7	-	3	55
STANLEY	19	1	1	1	16
SULLY	7	-	-	1	6
TODD	16	3	1	1	11
TRIPP	59	4	2	4	49
TURNER	56	4	1	5	46
UNION	440	361	12	13	54
WALWORTH	57	6	-	-	51
YANKTON	227	94	9	13	111
ZIEBACH	14	-	-	-	14

TABLE 34

MARITAL TERMINATION BY COUNTY OF RESIDENCE
OF PARTY TO WHOM GRANTED, 1986

	TOTAL	GRANTED TO WIFE	GRANTED TO HUSBAND
SOUTH DAKOTA	2585	1844	741
AURORA	2	2	0
BEADLE	64	47	17
BENNETT	6	4	2
BON HOMME	16	11	5
BROOKINGS	85	57	28
BROWN	134	99	35
BRULE	15	9	6
BUFFALO	3	2	1
BUTTE	39	23	16
CAMPBELL	2	1	1
CHARLES MIX	18	15	3
CLARK	9	6	3
CLAY	32	22	10
CODINGTON	85	68	17
CORSON	3	2	1
CUSTER	36	20	16
DAVISON	78	60	18
DAY	25	19	6
DEUEL	10	5	5
DEWEY	2	2	0
DOUGLAS	3	1	2
EDMUNDS	5	5	0
FALL RIVER	52	28	24
FAULK	5	4	1
GRANT	15	11	4
GREGORY	12	8	4
HAAKON	8	4	4
HAMLIN	6	3	3
HAND	7	6	1
HANSON	3	2	1
HARDING	2	2	0
HUGHES	57	40	17
HUTCHINSON	10	8	2
HYDE	4	2	2
JACKSON	2	2	0
JERAULD	7	4	3
JONES	5	5	0
KINGSBURY	16	10	6
LAKE	21	16	5
LAWRENCE	89	65	24
LINCOLN	38	29	9
LYMAN	11	8	3
MCCOOK	10	7	3
MCPHERSON	5	4	1
MARSHALL	11	9	2
MEADE	71	52	19
MELLETTE	8	7	1
MINER	4	1	3
MINNEHAHA	582	451	131
MOODY	20	12	8
PENNINGTON	546	343	203
PERKINS	16	13	3
POTTER	7	6	1
ROBERTS	30	24	6
SANBORN	2	2	0
SHANNON	1	1	0
SPINK	27	18	9
STANLEY	5	5	0
SULLY	3	2	1
TODD	8	8	0
TRIPP	22	18	4
TURNER	14	10	4
UNION	32	28	4
WALWORTH	16	11	5
YANKTON	71	56	15
ZIEBACH	2	0	2
OUT OF STATE	30	19	11

Communicable Diseases

COMMUNICABLE DISEASE MORBIDITY

The South Dakota Department of Health is authorized by SDCL 34-22-12 to collect and process mandatory reports of communicable diseases from physicians, hospitals, laboratories, and institutions. This includes designating certain diseases as "reportable" as well as establishing the mechanics for reporting communicable diseases, control measures, and the use of quarantine procedures.

VACCINE-PREVENTABLE DISEASES

Remarkable accomplishments have been made in reducing vaccine-preventable disease morbidity and mortality during the past 20 years. Factors contributing to disease reduction during this period include enacting a statewide compulsory school immunization law in 1971; implementing child-care facility immunization standards; providng new vaccines in public clinics (measles vaccine distribution began in 1967, rubella in 1969, and mumps in 1976); and, since 1978, providng adequate free supplies of all childhood vaccines for private and public clinic use.

Immunization activities in South Dakota have been greatly intensified since 1977. A National Childhood immunization initiative (April 1977 - October 1979) defined and achieved two major goals: (1) ensuring that at least 90 percent of the nation's children had received needed vaccines, and (2) developing a permanent system to maintain this level of protection.

In 1986, and for the seventh consecutive year, there were no cases of measles reported in South Dakota. Likewise, there were no cases of diphtheria or polio. In fact, South Dakota has been polio-free since 1964. There was one reported case of tetanus in 1986.

There were also no cases of rubella reported in South Dakota during 1986. Rubella is a common childhood rash disease that is often overlooked or misdiagnosed. By far, the most important consequences of rubella are the fetal deaths and anomalies that frequently result from rubella infection in early pregnancy. Preventing infection of the fetus and consequently congenital rubella syndrome is a major objective of rubella immunization programs. Rubella morbidity in South Dakota has also been significantly affected by measles elimination activities, since immunization programs generally have utilized a combined measles-mumps- rubella vaccine. One delayed case of congenital rubella syndrome that occurred in 1978 was reported in South Dakota in 1983, the first since 1974.

During 1986, 14 cases of pertussis were reported in South Dakota. Complications of pertussis include pneumonia, otitis media, atelectasis, emphysema, bronchiectasis, convulsions, and brain damage. Death occurs in one percent or less of infections. The disease is most severe in young infants; 70 percent of all deaths occur during the first year of life. The efficacy of the current pertussis vaccine and its generalized use, have resulted in remarkable reductions in pertussis morbidity and mortality over the past five decades.

SEXUALLY TRANSMITTED DISEASES

Gonorrhea

In South Dakota, gonorrhea continues to rank first among reportable sexually transmitted diseases. The number of cases of gonorrhea reported in South Dakota decreased from 842 in 1985 to 815 in 1986. The 1986 incidence reflects the general declining trend of reported gonorrhea in South Dakota observed since 1977, when 1,656 cases were reported (see Figure 13). During this same time period, the number of cases reported annually in the United States has declined less dramatically.

South Dakota's 1986 gonorrhea case rate was 115.5 per 100,000 population, which is less than one-half that of the national case rate 377.9.

The incidence of gonorrhea has generally been highest in the sexually active age groups, with a peak among 20-24 year-olds of both sexes. Gonorrhea rates among males and females are about the same, suggesting that control program elements are properly balanced.

Gonorrhea is more often reported in Indians than in whites. The gonorrhea case rate among Indians in South Dakota approaches 672 per 100,000 population and represents 39.3 percent of the total reported statewide morbidity.

Pelvic inflammatory disease (PID) is a major complication of untreated gonorrhea in women. Since 1978, the South Dakota Department of Health has undertaken a program directed toward the identification of women with these complications. Gonococcal pelvic inflammatory disease (GPID) results in significant medical problems. It is linked with recurrent pelvic infections, ectopic pregnancy, and sterility. The economic costs associated with these conditions are very high.

In 1981, the first case of penicillinase-producing Neisseria gonorrhoeae (PPNG) was reported in South Dakota. This strain of gonorrhea, which is resistant to treatment with penicillin, is viewed as a serious threat to gonorrhea control programs throughout the United States. During 1986, one PPNG case was reported in South Dakota.

Syphilis

Eight cases of early, infectious syphilis (primary, secondary, and early latent of less than one year's duration) were reported in South Dakota during 1986 (see Figure 14). This represents a case rate of 1.13 per 100,000 population (national case rate is 11.6 per 100,000). Epidemiologic evidence supports the assumption that South Dakota is free of indigenously acquired or transmitted syphilis. Accordingly, the occurrence of an early syphilis case in South Dakota is considered a medical emergency by the South Dakota Department of Health, and it receives immediate epidemiologic action.

Other Sexually Transmitted Diseases

Other sexually transmitted diseases believed to be widespread in South Dakota are herpes simplex and Chlamydia trachomatis. Neither is reportable, so estimates of annual incidence are based on national studies and laboratory results. The annual incidence of both sexually transmitted herpes simplex and chlamydia infections is estimated to be at least tiwce that of reported gonorrhea. That would place national incidence at 2 million cases of each disease annually; in South Dakota, the estimate would be 1,684 cases each per year.

TUBERCULOSIS

During calendar year 1986, a total of 29 cases of active tuberculosis was reported to the South Dakota Department of Health. This figure is a decrease in morbidity over last year's number of reported cases, and represents a 29 percent decrease in incidence when compared with the mean number of cases reported during the preceding five years (see Figure 15).

The incidence rate for non-Indian South Dakota residents during 1986 was .61 cases per 100,000 population. The incidence rate for South Dakota Native Americans was 50.4 cases per 100,000 population. The over-all statewide incidence was 4.1 cases per 100,000, which compares with the national case rate of approximately 9.3 per 100,000.

Two of the reported cases died as a result of tuberculosis, 6.9 percent of all cases. These deaths occurred shortly after the time of diagnosis. A matter of concern in South Dakota as well as at the national level is the occurrence of tuberculosis in young children (under five years of age). Each such case represents a double failure: a failure to interrupt transmission of infection from a case of tuberculosis and a failure to prevent, through drug prophylaxis, the emergence of disease in such an infected child. In 1986, there were two new tuberculosis cases among children in this age group.

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)

Acquired Immunodeficiency Syndrome (AIDS) is the medical term used to describe the set of clinical signs and symptoms caused by a deficit in the functioning of the immune system. The syndrome was first described in 1981, and as of the end of the year 1986, 29,435 cases have been reported to the Centers for Disease Control in Atlanta, Georgia.

The disease first appeared in the United States in the male homosexual and intravenous drug user communities and continues to be concentrated in those groups. Sixty-five percent of reported cases are homosexual/bisexual males; 17% are intravenous drug abusers; 8% are homosexual males and intravenous drug abusers; 4% are heterosexual cases; 2% are transfusion, blood/components related; 1% are hemophilia/coagulation disorders; and 3% are undetermined.

South Dakota's first case of AIDS was reported in September 1985, and, as of December 31, 1986, a total of 5 have been reported that meet the formal definition established by the federal Centers for Disease Control for reporting purposes. Three of those cases were in-s ate residents and two were out-of-state. Four of the five have since died. The other has left the state and his condition is unknown.

The two out-of-state cases were both from areas of the country known to have a higher incidence of AIDS. One of the in-state cases was reported in West River and two in East River. All five were adult males; three were homosexual or bisexual men and two were individuals that had received blood products before 1985, at which time routine AIDS screening of donated blood was initiated.

In addition to those five, there were 22 individuals in the state known to be infected with the virus that causes AIDS. Those infected with the virus but not yet showing any signs of illness are not currently required to be reported, but the Department of Health does encourage voluntary reporting so those infections can be monitored and evaluated for risk of transmission to others. The majority of the infections were found through Health Department counseling and testing sites. Others were found as the result of routine screening of blood donors, persons receiving blood products before 1985, prisoners, and those seeking testing from private physicians. The majority of those found had a recognized risk group association. The major AIDS risk groups are homosexual or bisexual men, intravenous drug abusers who share needles, and those who have intimate sexual contacts with either group. In South Dakota, there have been no cases of AIDS that have been known to be acquired heterosexually.

The Department of Health has taken an active approach to AIDS by working with schools, colleges, universities, and employers to develop comprehensive AIDS policies before the specific need arises. The Department issued its first recommended AIDS policy for school-age children infected with the virus in March 1986.

FIGURE 13

REPORTED MORBIDITY FOR GONORRHEA, SOUTH DAKOTA, 1977-1986

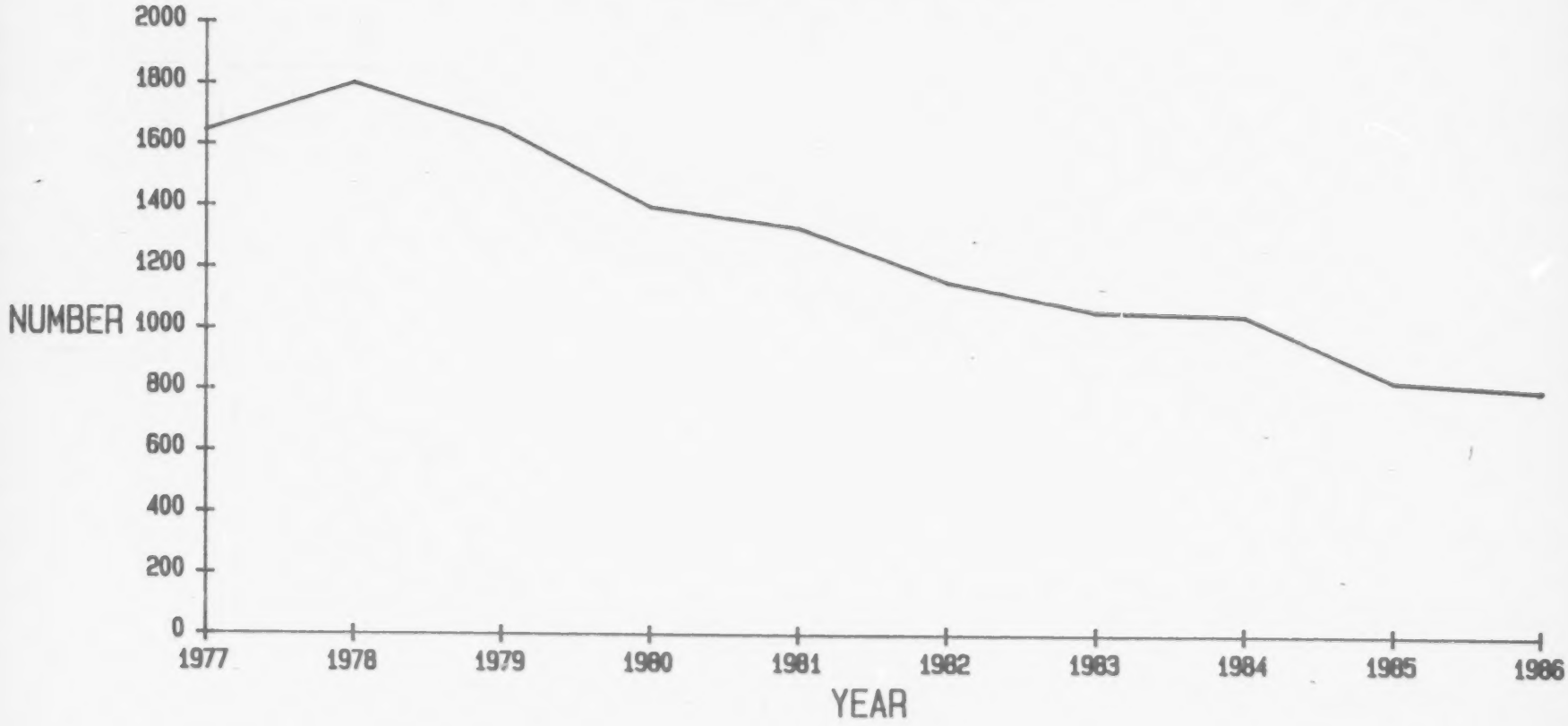


FIGURE 14

REPORTED MORBIDITY FOR SYPHILIS, SOUTH DAKOTA, 1977-1986

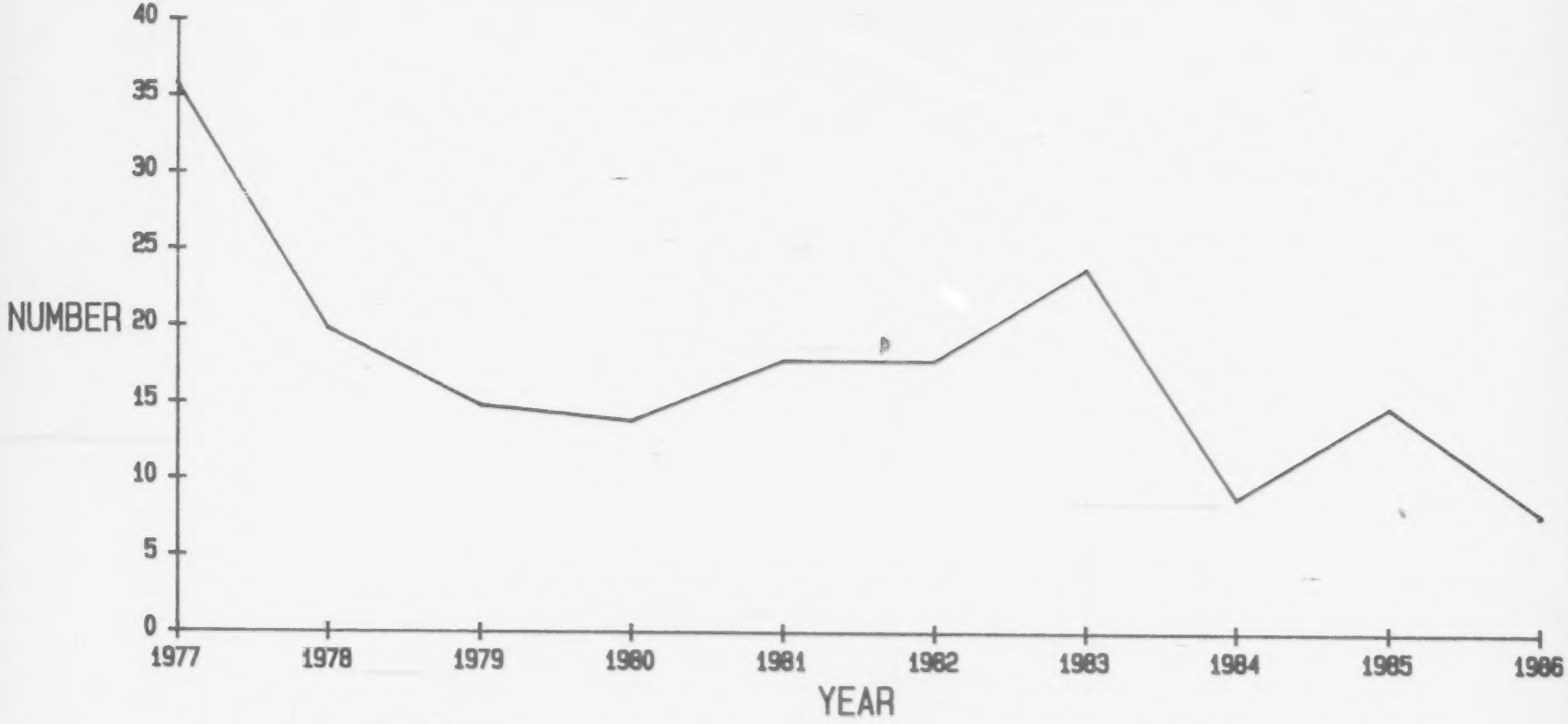


FIGURE 15

REPORTED MORBIDITY FOR TUBERCULOSIS, SOUTH DAKOTA, 1977-1986

TABLE 35

REPORTED CASES OF SPECIFIC NOTIFIABLE DISEASES, SOUTH DAKOTA, 1977-1986

DISEASE	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
South Dakota Population	708,000	708,118	705,795	698,704	694,394	691,625	690,768	698,838	690,213	687,590
AIDS (1)	5	1	-	-	-	-	-	-	-	-
Amebiasis	1	9	3	1	-	-	-	2	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-
Botulism:										
Foodborne	-	-	-	-	-	-	-	-	-	-
Infant	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
Brucellosis	3	2	-	4	1	1	3	2	2	1
Chickenpox	788	1,140	1,362	645	271	995	1,115	635	441	872
Chlorea	-	-	-	-	-	-	-	-	-	-
Dengue	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-
Encephalitis:										
Primary	15	8	2	1	-	1	-	1	-	6
Post-infectious	-	-	1	1	1	1	-	1	-	-
Giardiasis	274	261	253	196	100	38	58	20	1	-
Hepatitis (viral):										
A (infectious)	171	313	206	187	14	38	72	207	242	34
B (serum)	19	30	26	17	17	8	8	19	14	12
non-A, non-B (2)	7	8	5	3	-	-	-	-	-	-
Unspecified	1	-	-	1	1	2	2	-	24	5
Influenza	14,354	11,468	10,830	3,312	526	2,653	2,422	2,965	2,011	1,682
Legionellosis	14	9	2	1	-	-	-	1	-	-
Leprosy (Hansen's disease)	-	-	-	-	1	-	-	-	-	-
Leptospirosis	-	-	-	-	-	1	-	-	-	-
Malaria	3	1	1	1	-	1	-	1	1	1
Measles (total) (3)	-	-	-	-	-	-	-	2	-	75
Indigenous	-	-	-	-	-	-	-	-	-	-
Imported	-	-	-	-	-	-	-	-	-	-
Meningococcal Infections	8	5	6	4	11	10	6	4	4	6
Meningitis:										
Aseptic	57	26	9	22	5	8	13	3	4	2
Bacterial	45	58	53	50	59	50	38	37	26	22
Mumps	1	-	-	-	1	1	3	11	11	59
Pertussis	14	11	9	8	6	2	3	-	11	1
Plague	-	-	-	-	-	-	-	-	-	-
Poliomyelitis:										
Paralytic	-	-	-	-	-	-	-	-	-	-
Nonparalytic	-	-	-	-	-	-	-	-	-	-
Unspecified	-	-	-	-	-	-	-	-	-	-
Psittacosis	-	-	-	-	-	-	-	-	-	-
Rabies:										
In Animals	192	347	218	149	116	323	472	143	98	139
In Humans	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever (acute)	1	3	2	1	1	-	-	-	-	-
Rocky Mountain Spotted Fever	6	2	5	5	4	-	2	-	7	2
Rubella	-	-	-	-	-	-	2	5	112	89
Rubella, Congenital Syndrome	-	-	-	1	-	-	-	-	-	-
Salmonellosis	106	98	82	135	103	165	98	90	102	56
Scarlet Fever (4)	27	20	17	17	56	-	-	-	-	-
Shigellosis	134	76	113	116	114	68	113	73	185	49
Smallpox	-	-	-	-	-	-	-	-	-	-
Streptococcal Pharyngitis	2,248	2,580	3,106	2,016	1,993	1,301	2,707	4,631	3,509	5,640
Tetanus	1	-	1	-	-	-	-	-	1	-
Toxic-Shock Syndrome (5)	3	2	3	3	6	7	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-
Tuberculosis	29	31	25	45	36	66	49	55	76	58
Tularemia	3	8	34	10	1	3	1	2	-	2
Typhoid Fever	-	-	-	-	-	1	1	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-
Venereal Diseases										
Chancroid	-	-	-	-	-	-	-	-	-	-
Gonorrhea	815	842	1,055	1,067	1,164	1,339	1,406	1,660	1,812	1,656
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-
Lymphogranuloma Venereum	-	2	-	-	-	-	-	1	-	-
Syphilis	13	15	9	24	18	13	14	15	20	36
Yellow Fever	-	-	-	-	-	-	-	-	-	-

1 Not reportable before 1983.
2 Not reportable before 1982.
3 Only total measles cases reported before 1982.
4 Scarlet fever cases included with streptococcal pharyngitis cases before 1982.
5 Not reportable before 1981.

TABLE 36

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF REPORT
SOUTH DAKOTA, 1986

DISEASE	TOTAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AIDS	5	1	-	-	-	-	-	-	-	1	-	-	3
Amebiasis	1	-	1	-	-	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism:													
Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-
Infant	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	3	1	-	-	-	1	-	-	-	1	-	-	-
Chickenpox	788	169	155	104	146	85	17	2	4	1	17	56	32
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-
Dengue	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis:													
Primary	15	-	-	-	-	-	-	4	5	4	-	2	-
Post-infectious	-	-	-	-	-	-	-	-	-	-	-	-	-
Giardiasis	274	12	11	11	6	8	6	9	46	42	52	28	33
Hepatitis (viral):													
A (infectious)	171	41	26	33	10	17	6	6	8	2	3	6	13
B (serum)	19	1	-	-	1	1	-	5	2	1	5	1	2
non-A, non-B	7	1	-	-	-	-	2	-	2	-	1	1	-
Unspecified	1	-	-	-	-	-	-	-	-	-	-	-	1
Influenza	14,354	511	6,410	2,337	587	178	1	-	-	-	-	1,275	3,055
Legionellosis	14	2	-	1	1	1	-	-	1	-	5	-	3
Leprosy (Hansen's disease)	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	3	-	-	-	-	-	-	-	-	-	2	-	1
Measles:													
Indigenous	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections	5	-	-	-	1	2	1	-	-	1	-	1	2
Meningitis:													
Aseptic	57	1	2	1	1	5	4	15	10	4	8	2	1
Bacterial	45	5	2	1	4	2	6	2	6	3	6	4	4
Mumps	1	-	-	1	-	-	-	-	-	-	-	-	-
Pertussis	14	-	-	-	3	4	4	2	1	-	-	-	-
Plague	-	-	-	-	-	-	-	-	-	-	-	-	-
Poliomyelitis:													
Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonparalytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-
Psittacosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabies:													
In Animals	192	13	12	15	24	25	12	14	11	15	29	8	14
In Humans	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever (acute)	1	-	1	-	-	-	-	-	-	-	-	-	-
Rocky Mountain Spotted Fever	6	-	-	-	-	-	3	2	1	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella, Congenital Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	106	8	2	18	4	8	12	13	12	13	7	3	6
Scarlet fever	27	1	3	2	2	-	-	-	-	-	4	3	12
Shigellosis	134	10	3	2	6	5	6	5	34	28	19	6	10
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal Pharyngitis	2,248	217	155	254	89	208	71	134	75	158	329	204	355
Tetanus	1	-	1	-	-	-	-	-	-	-	-	-	-
Toxic-shock Syndrome	3	1	2	-	-	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	29	-	2	-	6	2	3	3	2	5	2	3	1
Tularemia	3	-	-	-	-	-	2	-	-	-	1	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Veneral Diseases:													
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-
Gonorrhea	815	61	47	83	62	75	66	82	66	81	89	39	64
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-
Lymphogranuloma Venereum	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis	13	1	-	-	2	1	2	-	2	1	4	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-

Technical Notes

TECHNICAL NOTES

A. SOURCES OF DATA

Vital Events

Birth and death certificates, reports of fetal deaths, and induced abortion reports are the source documents for data on vital events of South Dakota during the 1986 calendar year. A copy of each of these types of certificates is included in the Samples of Data Collection Section. Marriage and divorce data are compiled from transcripts which are received from each county. Copies of a marriage certificate and of the record of divorce are also included in the samples of Data Collection section.

The cut-off date for 1986 data in this report was April 15, 1987. Any data pertaining to a 1986 event for which a certificate was filed after April 15, 1987 are not included in this report. The number of records received after that date is so small that in most instances, it is of little significance for the purpose of analysis.

Events relating to South Dakota residents which occurred in another state are included in this report. The inclusion of these data are made possible by an agreement among all registration areas in the United States for resident exchange of copies of certificates.

Birth and fetal death records are the responsibility of the person in attendance, however, the records are usually completed by medical records personnel who are not necessarily present at the delivery. Death records are the responsibility of the funeral director. These records are seldom completed by hospital personnel or physicians, although the medical certification is completed by a physician or coroner.

Population

The July 1, 1986 provisional county populations used in this publication are estimates prepared through the Federal State Cooperative Program For Local Population Estimates and the State Data Center. The county estimates are based on an average of a regression (ratio-correlation) method and an administrative records method.

The regression method uses a multiple regression equation to relate changes in the distribution of selected data to changes in the distribution of population among counties. The selected data used in the regression method are: federal income tax returns, resident births, resident deaths, and registered motor vehicles. The administrative records method is a component method that incorporates various subsets of data to determine population estimates. The subsets include: individual federal income tax returns to measure the net intercounty migration of the non-group quarters populations under 65 years old; reported resident births and deaths to estimate net natural changes; and data on Medicare enrollees to estimate the population 65 years of age and over. This method uses additional population data, such as, inmates of institutions, college students in dormitories, military personnel living in barracks, immigration from abroad and net movement between the military and civilian population.

The provisional population estimates are developed by averaging estimates from the regression and administrative records methods and controlling estimates to the corresponding state estimates.

B. DATA DELIMITATIONS

Quality

The quality of data presented in this report is directly related to the completness and accuracy of the information contained on the certificates.

Medical Certification

Causes of death on death certificates and medical data on birth certificates are coded according to the ninth revision of the International Classification of Diseases (ICD). This classifiction is adopted by the World Health Organization and is used throughout the world for selecting the underlying cause of death and classifying the cause.

Race

The race reported on the vital records reflects the opinion of the informant and does not follow any prescribed rules for the reporting of race. This report shows tabulations for white, Indian, and other. Persons classified as other are few in South Dakota and tabulations reflecting these events are relatively meaningless.

Birth data is tabulated using the race of the mother. No attempt is made to determine the race of the child from the race shown for the father and the mother.

C. GEOGRAPHIC ALLOCATION

In South Dakota, registration of vital events is classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state and county in which the birth or death took place. The second, and more customary way, is by place of residence, i.e., the state or county stated to be the usual residence of the decedent in the case of deaths or of the mother in the case of a newborn.

Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are classified to the residence of the mother.

Occurrence statistics have administrative value and statistical significance, especially when calculating accident statistics. Residence statistics are useful in determining health indices for planning and evaluation purposes. The statistics provided in this report are residence data unless otherwise stated.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses very often differ from the actual geographic residence.

D. DEFINITIONS

Occurence, Place of - Data allocated by place where the event occurred, irrespective of the person's place of residence.

Residence, Place of - Data allocated by place of residence, irrespective of where the event occurred.

Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after separation, shows evidence of life.

Crude Birth Rate - The number of resident live births divided by the total resident population X 1,000.

Crude Death Rate - The number of resident deaths divided by the total resident population X 1,000.

Cause Specific Death Rate - The number of resident deaths due to a specific cause divided by the total resident population X 100,000.

Proportional Mortality Rate (PMR) - Sometimes called the "Mortality Ratio", is the proportion that a specified cause of mortality is in relation to all causes of mortality.

$$\frac{\text{Number of deaths from Cause "A"}}{\text{Number of deaths from all causes}} \times 100$$

Infant Death - Death of a live born infant less than one year (365 days) of age. Infant deaths equal the sum of neonatal plus postneonatal deaths.

Infant Death Rate - The number of infant deaths divided by the total number of live births X 1,000.

Neonatal Death Rate - (Neonatal Death = Death occurring to infants 1-27 days old). The number of neonatal deaths divided by the total number of live births X 1,000.

Postneonatal Death Rate - (Postneonatal Death = Death occuring to infants 28 days to 1 year of age). The number of postneonatal deaths divided by the total number of live births X 1,000.

Fetal Death - Death prior to the complete expulsion or extraction from its mother of a product of human conception irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not show evidence of life. (South Dakota requires the reporting of any fetus weighing over 500 grams).

Fetal Death Rate - The number of fetal deaths divided by the total number of live births and fetal deaths X 1,000.

Abortion - The termination of human pregnancy with an intention other than to produce a live birth or to remove a dead fetus.

Samples of Data Collection Instruments

STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH
CERTIFICATE OF LIVE BIRTH

COUNTY FILE NUMBER

140- BIRTH NUMBER

SEX

PLACE OF BIRTH

ATTENDENT

MOTHER'S RESIDENCE

ZIP CODE

RACE OF MOTHER

RACE OF FATHER

COMPLICATIONS OF PREGNANCY

CONCURRENT ILLNESSES

COMPLICATIONS OF LABOR

BIRTH INJURIES

CONGENITAL MALFORMS

CHILD

CHILD—NAME FIRST MIDDLE LAST | SEX | DATE OF BIRTH (Mo., Day, Yr.) | HOUR
1 | 2 | 3a | 3b. M

HOSPITAL—NAME (If not in hospital, give street and number) | CITY, TOWN, OR LOCATION OF BIRTH | COUNTY OF BIRTH
4a. | 4b. | 4c.

CERTIFIER

I certify that the stated information concerning this child is true to the best of my knowledge and belief.
5a. (Signature) ▶ | DATE SIGNED (Mo., Day, Yr.) 5b. | NAME AND TITLE OF ATTENDANT AT BIRTH IF OTHER THAN CERTIFIER (Type or print) 5c.

CERTIFIER—NAME AND TITLE (Type or Print) 5d. | MAILING ADDRESS (Street or R.F.D. No., City or Town, State, Zip) 5e.

REGISTRAR
6a. (Signature) ▶ | DATE RECEIVED BY REGISTRAR (Month, Day, Year) 6b.

MOTHER

MOTHER—MAIDEN NAME FIRST MIDDLE LAST 7a. | AGE (At time of this birth) 7b. | STATE OF BIRTH (If not in U.S.A., name country) 7c.

RESIDENCE—STATE 8a. | COUNTY 8b. | CITY, TOWN OR LOCATION 8c. | STREET AND NUMBER OF RESIDENCE 8d. | INSIDE CITY LIMITS (Specify yes or no) 8e.

MOTHER'S MAILING ADDRESS—If same as above, enter Zip Code only
9.

FATHER

FATHER—NAME FIRST MIDDLE LAST 10a. | AGE (At time of this birth) 10b. | STATE OF BIRTH (If not in U.S.A., name country) 10c.

I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief.
11a. (Signature of Parent or other informant) ▶ | RELATION TO CHILD 11b.

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MOTHER

RACE — Specify-White, Black American Indian, etc. 12a.

EDUCATION (HIGHEST GRADE COMPLETED) — Elementary or Secondary (0-12) 12b. | College (1-4 or 5+)

FATHER

RACE — Specify-White, Black American Indian, etc. 14a.

EDUCATION (HIGHEST GRADE COMPLETED) — Elementary or Secondary (0-12) 14b. | College (1-4 or 5+)

PREGNANCY HISTORY

LIVE BIRTHS (Do not include this Child)		OTHER TERMINATIONS (Spontaneous and Induced)	
13a. Now Living	13b. Now Dead	13d. Before 20 weeks	13e. After 20 weeks
Number ____ None ☐	Number ____ None ☐	Number ____ None ☐	Number ____ None ☐

15. BIRTH WEIGHT
____ grams
OR
____ lbs. ____ oz.

This Birth (Single, Twin, Triple) 16. | IF NOT SINGLE BIRTH - Born first, second, third, etc. (Specify) 17.

WAS MOTHER MARRIED AT TIME OF CONCEPTION OR BIRTH? 18.

DATE LAST NORMAL MENSES BEGAN (Month, Day, Year) 19. | MONTH OF PREGNANCY PRENATAL CARE BEGAN First, second, etc. (Specify) 20a. | PRENATAL VISITS Total Number (If none, so state) 20b.

DATE OF LAST LIVE BIRTH (Month, Year) 13c. | DATE OF LAST OTHER TERMINATION (as indicated in d or e above) (Month, Year) 13f.

APGAR SCORE — 1 MIN. | 5 MIN. — 21.

COMPLICATIONS OF PREGNANCY (DESCRIBE OR WRITE NONE) 22.

CONCURRENT ILLNESSES OR CONDITIONS AFFECTING PREGNANCY (DESCRIBE OR WRITE NONE) 23.

COMPLICATIONS OF LABOR AND/OR DELIVERY (DESCRIBE OR WRITE NONE) 24.

BIRTH INJURIES TO CHILD (DESCRIBE OR WRITE NONE) 25.

CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (DESCRIBE OR WRITE NONE) 26.

FETAL ALCOHOL SYNDROME 27. ☐ Yes ☐ No

P.K.U. TEST PERFORMED 28. ☐ Before 24 Hours ☐ After 24 Hours ☐ Not Done

HYPOTHYROID TEST PERFORMED 29. ☐ Yes ☐ No

AMNIOCENTESES PERFORMED 30. ☐ Yes ☐ No

KARYOTYPE TEST PERFORMED 31. ☐ Yes ☐ No

CAESAREAN SECTION 32. ☐ Classical ☐ Low Cervical ☐ Other

PHYSICIAN'S ESTIMATE OF GESTATION LENGTH (In Weeks) 33.

TRIMESTER MOTHER STARTED PRENATAL CLASSES DURING THIS PREGNANCY 34. ☐ 1st ☐ 2nd ☐ 3rd ☐ None

HAS 0275
Jan. 1, 1983

WHITE COPY DEPARTMENT OF HEALTH — YELLOW COPY LOCAL REGISTRAR — PINK COPY HOSPITAL OR PHYSICIAN

MAIL TO:
Public Health Statistics
State Dept. of Health
Foss Building
Pierre, South Dakota 57501

State of South Dakota
Department of Health

REPORT OF FETAL DEATH

State File Number

HOSPITAL—NAME (If not in hospital, give street and number) 1a.			CITY, TOWN OR LOCATION OF DELIVERY 1b.		COUNTY OF DELIVERY 1c.
DATE OF DELIVERY (Month, Day, Year) 2a.	HOUR OF DELIVERY 2b.			SEX OF FETUS 3.	WEIGHT OF FETUS 4.
FATHER FAMILY SURNAME 5a.		AGE (At time of this delivery) 5b.	RACE—(e.g., White, Black, American Indian, etc.) (Specify) 5c.	EDUCATION (Specify only highest grade completed) Elementary or Secondary (0-12) 5d.	College (1—4 or 5+)
MOTHER RESIDENCE—STATE 6a.	COUNTY 6b.	CITY, TOWN, ZIP 6c.	INSIDE CITY LIMITS (Specify yes or no) 6d.	PREGNANCY HISTORY (Complete each section)	
				LIVE BIRTHS	OTHER TERMINATIONS (Spontaneous and Induced)
AGE (At time of this delivery) 7.	RACE—(e.g., White Black, American Indian, etc. Specify) 8.	EDUCATION (Specify only highest grade completed) (Elementary or Secondary (0—12)) 9. / College (1—4 or 5+)	IS MOTHER MARRIED? (Specify yes or no) 10.	11a. NOW LIVING Number ____ None [ ] / 11b. NOW DEAD Number ____ None [ ]	11d. BEFORE 20 WEEKS Number ____ None [ ] / 11e. 20 WEEKS OR MORE Number ____ (Do not include this fetus) None [ ]
MONTH OF PREGNANCY PRENATAL CARE BEGAN First, Second, etc. (Specify) 12a.	PRENATAL VISITS Total Number (If none, so state) 12b.	THIS BIRTH—Single, twin, triplet, etc. (Specify) 13a.	IF NOT SINGLE BIRTH—Born first, second, third, etc (Specify) 13b.	DATE OF LAST LIVE BIRTH (Month, Year) 11c	DATE OF LAST OTHER TERMINATION (as indicated in d or e above) (Month, Year) 11f.

CAUSE OF FETAL DEATH

PART I

14 Fetal or maternal condition directly causing fetal death.

Fetal and/or maternal conditions, if any giving rise to the immediate cause (a), stating the underlying cause last.

IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) — Specify Fetal or Maternal

(a) _____

DUE TO, OR AS A CONSEQUENCE OF — Specify Fetal or Maternal

(b) _____

DUE TO, OR AS A CONSEQUENCE OF — Specify Fetal or Maternal

(c)

PART II

OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER: Conditions contributing to fetal death but not related to cause given in (a)

FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY UNKNOWN (Specify) 15.	PHYSICIAN'S ESTIMATE OF GESTATION (Weeks) 16.	AUTOPSY (Specify yes or no) 17.

COMPLICATIONS OF PREGNANCY (Describe or write "none") 18.	COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "none") 19.
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none") 20.	CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or write "none") 21.
NAME OF PHYSICIAN, ATTENDANT or CORONER (Type or print) TITLE 22a.	ADDRESS OF PHYSICIAN, ATTENDANT or CORONER 22b.

HAS0274 Rev. 7/77

TYPE OR PRINT IN PERMANENT INK FOR INSTRUCTIONS SEE HANDBOOK

STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH

CERTIFICATE OF DEATH

140

LOCAL FILE NUMBER

STATE FILE NUMBER

DECEDENT

DECEDENT - NAME (FIRST, MIDDLE, LAST) 1				SEX 2	DATE OF DEATH (MONTH, DAY, YEAR) 3
RACE (WHITE, NEGRO, AMERICAN INDIAN, ETC. (SPECIFY)) 4	AGE — LAST BIRTHDAY (YEARS) 5a	UNDER 1 YEAR: MOS 5b / DAYS	UNDER 1 DAY: HOURS 5c / MIN	DATE OF BIRTH (MONTH, DAY, YEAR) 6	COUNTY OF DEATH 7a
CITY, TOWN, OR LOCATION OF DEATH 7b	HOSPITAL OR OTHER INSTITUTION — NAME (IF NOT IN EITHER, GIVE STREET AND NUMBER) 7c				IF HOSP OR INST (Indicate DOA, OP/Emer Rm., Inpatient (Specify)) 7d
STATE OF BIRTH (IF NOT IN U.S.A., NAME COUNTRY) 8	CITIZEN OF WHAT COUNTRY 9	MARRIED, NEVER MARRIED, WIDOWED, DIVORCED (SPECIFY) 10	SURVIVING SPOUSE (IF WIFE, GIVE MAIDEN NAME) 11		
SOCIAL SECURITY NUMBER 12	USUAL OCCUPATION (GIVE KIND OF WORK DONE DURING MOST OF WORKING LIFE, EVEN IF RETIRED) 13a	KIND OF BUSINESS OR INDUSTRY 13b			
RESIDENCE — STATE 14a	COUNTY 14b	CITY, TOWN, OR LOCATION AND ZIP CODE 14c	INSIDE CITY LIMITS (SPECIFY YES OR NO) 14d	STREET AND NUMBER 14e	ZIP

PARENTS

FATHER — NAME (FIRST, MIDDLE, LAST) 15	MOTHER — MAIDEN NAME (FIRST, MIDDLE, LAST) 16

INFORMANT — NAME 17a	MAILING ADDRESS (STREET OR R.F.D. NO., CITY OR TOWN, STATE, ZIP) 17b	WAS DECEASED A VETERAN 17c.

CAUSE OF DEATH

PART I DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) — APPROXIMATE INTERVAL BETWEEN ONSET AND DEATH

18

IMMEDIATE CAUSE (a)

DUE TO, OR AS A CONSEQUENCE OF

CONDITIONS, IF ANY, WHICH GAVE RISE TO IMMEDIATE CAUSE (a), STATING THE UNDERLYING CAUSE LAST (b)

DUE TO, OR AS A CONSEQUENCE OF (c)

PART II OTHER SIGNIFICANT CONDITIONS — CONDITIONS CONTRIBUTING TO DEATH BUT NOT RELATED TO CAUSE GIVEN IN PART I (a)

AUTOPSY (YES OR NO) 19a — WAS CASE REFERRED TO CORONER? (Specify Yes or No) 19b

ACCIDENT, SUICIDE, HOMICIDE, OR UNDETERMINED (SPECIFY) 20a	DATE OF INJURY (MONTH, DAY, YEAR) 20b	HOUR OF INJURY 20c AM	HOW INJURY OCCURRED (ENTER NATURE OF INJURY IN PART I OR PART II, ITEM 18.) 20d
INJURY AT WORK (SPECIFY YES OR NO) 20e	PLACE OF INJURY (AT HOME, FARM, STREET, FACTORY, OFFICE BLDG., ETC. (SPECIFY)) 20f	LOCATION (County, City or Town, State) 20g	

CERTIFIER

To be Completed by PHYSICIAN Only

21a. To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated.

(Signature and Title) ▶

DATE SIGNED (Mo., Day, Yr.) 21b	HOUR OF DEATH 21c AM

To be Completed by CORONER Only

22a. On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated.

(Signature and Title) ▶

DATE SIGNED (Mo., Day, Yr.) 22b	HOUR OF DEATH 22c AM

NAME AND ADDRESS OF CERTIFIER (PHYSICIAN, MEDICAL EXAMINER OR CORONER) (Type or Print) 23

DISPOSITION

BURIAL, CREMATION, REMOVAL (SPECIFY) 24a	CEMETERY OR CREMATORY — NAME 24b	LOCATION — CITY OR TOWN, STATE 24c	
DATE (MONTH, DAY, YEAR) 24d	FUNERAL HOME — NAME AND ADDRESS 25a	EMBALMER — SIGNATURE & NUMBER (IF NOT EMBALMED — LEAVE BLANK)	
FUNERAL DIRECTOR — SIGNATURE AND NUMBER 25b	REGISTRAR — SIGNATURE 26a	DATE RECEIVED BY LOCAL REGISTRAR 26b	

HAS 0276 REV. JAN. 1978

STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH

INDUCED ABORTION REPORT

Do not write in this column

1 — PLACE OF OCCURRENCE

2 — 1. NAME OF HOSPITAL, CLINIC OR PHYSICIAN'S OFFICE

3 — 2. STATE | 3. COUNTY | 4. CITY

4 — PATIENT INFORMATION

5 — 5. STATE OF RESIDENCE | 6. COUNTY OF RESIDENCE

6 — 7. AGE

7 — 8. RACE OR ETHNIC GROUP

8 — [ ] WHITE [ ] INDIAN [ ] NEGRO [ ] OTHER (Specify)

9 — MARITAL STATUS

[ ] Never Married [ ] Married [ ] Widowed [ ] Divorced [ ] Unknown

10 — NUMBER OF LIVING CHILDREN

11 — NUMBER OF PREVIOUS INDUCED ABORTIONS

12 — MEDICAL INFORMATION

DATE OF ABORTION (Month, Day, Year)

13 — PHYSICIAN'S ESTIMATE OF LENGTH OF GESTATION _____ WEEKS

14 — WEIGHT OF FETUS _____ LBS. _____ OZ.

15 — Rh FACTOR

[ ] Positive [ ] Negative

16 — ANTI-Rh-IMMUNE GLOBULIN GIVEN?

[ ] Yes [ ] No

17 — ABORTION PROCEDURE USED

[ ] Suction Curettage
[ ] Sharp Curettage
[ ] Hysterotomy
[ ] Hysterectomy
[ ] Intra-uterine Saline Instillation
[ ] Intra-uterine Prostaglandin Instillation
[ ] Other (Specify) _____

18 — FETAL ABNORMALITY

[ ] Normal [ ] Abnormal (Specify) _____

19 — REASON FOR ABORTION

[ ] Maternal Mental Health
[ ] Maternal Physical Health
[ ] Probability of Congenital Deformity
[ ] Rape or Incest
[ ] Economic
[ ] Other

20 — MATERNAL COMPLICATIONS (Specify) _____

21 — NAME OF PHYSICIAN

22 — DATE OF REPORT (Month, Day, Year)

HAS 025 r Rev. 10/77

SEE INSTRUCTIONS ON REVERSE SIDE

COUNTY OF _____

LICENSE NUMBER _____

SOUTH DAKOTA MARRIAGE LICENSE

STATE FILE NUMBER

THIS MARRIAGE LICENSE BECOMES VOID IF THE MARRIAGE IS NOT SOLEMNIZED WITHIN 20 DAYS FROM DATE OF ISSUE

GROOM

GROOM NAME	FIRST	MIDDLE	LAST
1.			

RESIDENCE – STATE	COUNTY	CITY, TOWN OR LOCATION
2a.	2b.	2c.
STATE OF BIRTH (if not USA name country)	DATE OF BIRTH (month, day, year)	AGE LAST BIRTHDAY (years)
3.	4.	5.

BRIDE

BRIDE NAME	FIRST	MIDDLE	LAST
6.			

RESIDENCE – STATE	COUNTY	CITY, TOWN OR LOCATION
7a.	7b.	7c.
STATE OF BIRTH (if not USA name country)	DATE OF BIRTH (month, day, year)	AGE LAST BIRTHDAY (years)
8.	9.	10.

WE HEREBY CERTIFY THAT THE INFORMATION PROVIDED IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AND THAT WE ARE FREE TO MARRY UNDER THE LAWS OF SOUTH DAKOTA

GROOM'S SIGNATURE	BRIDE'S SIGNATURE
11. ▶	12. ▶

LICENSE ISSUED (month, day, year)	SIGNATURE OF COUNTY TREASURER OR DEPUTY ISSUING LICENSE
19a.	19b. ▶

CEREMONY

MARRIED ON (month, day, year)	WHERE MARRIED – CITY	COUNTY
20a.	20b.	20c.

PERSON PERFORMING CEREMONY	TITLE	TYPE OF CEREMONY (Religious or civil, specify)
20d. Signature ▶	20e.	20f.

WITNESS TO CEREMONY	WITNESS TO CEREMONY
21a. Signature ▶	21b. Signature ▶
RESIDENCE OF WITNESS (city and state)	RESIDENCE OF WITNESS (city and state)
21c.	21d.

COUNTY TREASURER FILING RETURN	DATE RECEIVED BY COUNTY TREASURER Month Day Year
22a. Signature ▶	22b.

THIS RECORD MUST BE COMPLETED AND RETURNED
TO THE COUNTY TREASURER ISSUING LICENSE
WITHIN 30 DAYS AFTER THE MARRIAGE

GROOM	RACE–White, Indian, Negro, etc. (specify)	NUMBER OF TIMES PREVIOUSLY MARRIED	LAST MARITAL STATUS never married, widowed, divorced, annulment (specify)
	13.	14.	15.
BRIDE	RACE–White, Indian, Negro, etc. (specify)	NUMBER OF TIMES PREVIOUSLY MARRIED	LAST MARITAL STATUS never married, widowed, divorced, annulment (specify)
	16.	17.	18.

HAB 0272

RETURN WITHIN 30 DAYS TO COUNTY TREASURER IN COUNTY WHERE MARRIAGE IS SOLEMNIZED

STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH

RECORD OF DIVORCE OR ANNULMENT

County File Number | State File Number

HUSBAND

HUSBAND—NAME (First, Middle, Last)

RESIDENCE—STATE	COUNTY	CITY, TOWN, or LOCATION	AGE (if known)	RACE (if known)
2a.	2b.	2c	3	4

WIFE

WIFE—NAME (First, Middle, Last) — 5a.

RESIDENCE—STATE	COUNTY	CITY, TOWN, or LOCATION	AGE (if known)	RACE (if known)
6a.	6b	6c	7	8

PLACE OF THIS MARRIAGE (state)	DATE OF THIS MARRIAGE (Mo. Day Yr.)	PLAINTIFF	CHILDREN UNDER 18 IN THIS FAMILY
9a.	9b.	[ ] Husband [ ] Wife 10	11

ATTORNEY FOR PLAINTIFF (Type or print)	ADDRESS (STREET OR R.F.D. No. / CITY OR TOWN / STATE / ZIP)
12a.	12b.

DECREE

DATE OF DECREE (Mo. Day Yr.)	TYPE OF DECREE	DECREE GRANTED TO
13	[ ] Divorce [ ] Annulment 14	[ ] Husband [ ] Wife 15

CUSTODY OF MINOR CHILDREN AWARDED TO: Husband (specify number) / Wife (specify number)

16

LEGAL GROUNDS FOR DECREE (specify)	COUNTY WHERE DECREE IS FILED	DATE OF RECORDING (Mo. Day Yr.)
17	18	19

HAB—0271 REV 7/78 UCS—075

SOUTH DAKOTA DEPARTMENT OF HEALTH

DIVISION OF ADMINISTRATION

MEMORANDUM

TO: INTERESTED PARTIES

FROM: CENTER FOR HEALTH POLICY AND STATISTICS

DATE: JANUARY 5, 1988

RE: CLARIFICATION ON RATES AND DATA LIMITATIONS

The rates published in this document may vary slightly if recalculated using the population data found on pages 4 and 5. This is due to the fact that these population data were recently revised by the Bureau of the Census. The rates in this publication were generated from earlier released population data from the Census Bureau. The revised population data will not cause a significant change in the published rates.

The Center for Health Policy and Statistics can assist interested parties in interpreting and comparing the various rates cited in this publication.

Error on page 24, table 14; The total number of white babies should be 488 rather than 551.

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